

DRINKING WATER SURVEY

ST. CLAIR - DETROIT RIVER AREA

Update

January, 1986

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Ministry  
of the  
Environment

The Honourable  
Jim Bradley  
Minister

Rod McLeod, Q.C.  
Deputy Minister

DRINKING WATER SURVEY

ST. CLAIR - DETROIT RIVER AREA

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ONTARIO MINISTRY OF THE ENVIRONMENT

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DRINKING WATER SURVEY  
ST. CLAIR - DETROIT RIVER AREA

1. Drinking Water Surveillance Program (DWSP)

The Ministry of the Environment's Drinking Water Surveillance Program (DWSP) is a comprehensive program to provide immediate, reliable and current information on drinking water quality across the province.

The drinking water treatment plants at the following locations in the St. Clair River area were added to the DWSP program. These additional plants were sampled according to the following schedule:

Wallaceburg	- June 5, July 3, August 6, September 3, October 7, November 5, 15, 26, December 2, 10, 16, 23, 1985, January 6, 1986
Mitchell's Bay	- June 18, July 22, August 26, September 23, October 28, November 25, December 9, 1985, January 6, 1986
Windsor	- July 15, August 16, September 16, October 21, November 21, December 2, 10, 17, 1985, January 7, 1986
Stoney Point	- June 6, July 2, August 6, September 3, October 8, November 4, December 2, 17, 1985, January 6, 1986
Amherstburg	- May 23, August 26, September 23, October 28, November 21, 25, December 2, 10, 1985, January 7, 1986
Walpole Island	- November 6, 15, 25, December 2, 9, 17, 23, 1985, January 6, 1986
Sarnia	- November 15, December 2, 10, 1985, January 6, 1986

Analyses were conducted at these locations for 139 parameters, which are various kinds of characteristics of the water or compounds in it. These parameters fall into several categories: physical parameters, field tests, anions, microbiological (bacterial) parameters, metals, trihalomethanes, pesticides, and organics.

The results of the tests carried out are shown in Table A. A breakdown of total tests on a plant-by-plant basis is shown in Table B.

To January 20, 1986, 11,670 results for both raw and treated water have been received; 3,060 of these are positive results.

Many of the 3,060 positive results fall into categories that are from analyses such as pH and temperature, or are for naturally-occurring substances or treatment byproducts.

There were 537 positive results, of 652 reported analyses, for physical parameters, such as pH and temperature. These are used as an indication of the analytical validity and integrity of the sample and the general characteristics of the water.

Positive results for 416 analyses, of a total of 426 reported analyses, are categorized as field tests, and serve as a record of some properties of the water at the time of sampling which can be used as a guide to making an assessment of the treatment process; they also indicate whether any changes occur during the time elapsed between sampling and actual analysis.

A further group of tests was conducted for anions, which are ubiquitous, generally naturally occurring and which provide background information on water characteristics. These tests yielded 232 positive results out of 668 tests reported.

Positive results were obtained for 223 analyses for microbiological parameters out of a total number reported of 417. These bacterial tests include those for species of paramount importance from a public health point of view, and those which assess the general microbiological quality and characteristics of the water; by this means, a measure is obtained of the overall efficiency of water treatment processes.

Analyses of 2,620 tests for metals in the water samples were reported; 1,416 of these were positive results. Metals can occur naturally, and most are generally regarded as being ubiquitous. However, some may be present in water as a result of industrial or other discharges. A small number of metals have public health significance.

Trihalomethanes (THMs) are acknowledged to be produced during the water treatment process and will almost always only occur in treated waters. Trihalomethanes are comprised mainly of chloroform, chlorodibromoethane and

dichlorobromoethane. Results are given for the individual compounds as well as for their sum, in other words, total trihalomethanes (Total THM). Some 485 tests were reported for THMs of which 192 yielded positive results.

Two thousand one hundred and fifty six (2,156) tests for pesticides have been reported and none showed positive results.

Ontario has an established set of objectives for acceptable levels of various compounds in drinking water - Ontario Drinking Water Objectives, or ODWOs. Of those substances discussed above for which there are ODWOs, there were no exceedances of the Objectives. Nor did the levels exceed any guidelines for drinking water set by other jurisdictions, such as the U.S. Environmental Protection Agency (USEPA), the World Health Organization (WHO), and Health and Welfare Canada (H & W Canada). Further, the results of these analyses are consistent with those obtained in other areas of the Great Lakes.

There was a total of 3,743 reported results of analyses for the over 60 organic compounds included in the DWSP. Only 35 results were positive, as shown in Table B.

Of the organic compounds tested for in this survey, none was found at levels approaching the Ontario Drinking Water Objectives, or the guidelines for treated water of the USEPA or other jurisdictions.

For organic compounds not covered in the ODWOs, only fifteen were detected in either raw or treated water, most only on an occasional basis.

Eight of these organic compounds were found above trace levels, in either raw or treated water, at least on one occasion at one or more locations. These compounds were:

- 1,2,3,5-tetrachlorobenzene
- 1,2,4,5-tetrachlorobenzene
- pentachlorobenzene
- hexachlorobenzene
- carbon tetrachloride
- benzene
- tetrachloroethylene
- hexachlorobutadiene

Five of these compounds were detected in treated drinking water.

The five that were detected (1,2,4,5-tetrachlorobenzene, 1,2,3,5-tetrachlorobenzene, pentachlorobenzene, benzene, and carbon tetrachloride) were found above trace levels in treated drinking water, at least on one occasion at one or more locations. The following dates on which positive results were obtained are all in 1985.

1,2,4,5-tetrachlorobenzene was found at four locations, on August 26 at Mitchell's Bay at 25 parts per trillion (ppt), on November 15 at Sarnia at 12 ppt, on November 21 at both Amherstburg and Windsor at 15 ppt and 35 ppt respectively. The USEPA has set an 'ambient' water guideline (set on the assumption that water and fish are consumed from the same water source over a lifetime) of 38,000 ppt.

On October 8, 25 ppt of 1,2,3,5-tetrachlorobenzene was detected in treated water at Stoney Point, and on November 15, at 23 ppt at Walpole Island; it was also found at 10 ppt on December 10 at Sarnia. The USEPA 'ambient' water guideline for 1,2,4,5-tetrachlorobenzene is 38,000 ppt; this is the most toxic of the isomers, and should thus give an extra margin of safety when applied to the less toxic 1,2,3,5-isomer. (An isomer is a compound having the same molecular weight and formula as another, but a different structural formula.)

On July 15 pentachlorobenzene was detected at the lowest quantifiable level of 10 ppt in treated water at Windsor; the USEPA ambient water guideline for this substance is 74,000 ppt.

Carbon tetrachloride was found on five occasions at Wallaceburg, on June 5, November 5, November 26, and December 23 at a level of 1 part per billion (ppb) and December 10 at 2 ppb, and at Walpole Island on November 6 and 25 at 1 ppb. The World Health Organization (WHO) has set a tentative guideline value of 3 ppb for this compound.

Benzene was detected on three occasions in treated water at Walpole Island on November 15 at 1 ppb, December 9 at 2 ppb and on December 23 at 4 ppb. It was also found on December 23 at Wallaceburg at 2 ppb. The WHO has set a guideline value of 10 ppb for benzene.

The scientific data for these parameters indicate that drinking water from these supplies meets all health-related drinking water objectives, whether these are ODWOs, or guidelines set by the WHO, USEPA or H & W Canada. The setting of these guidelines is based on the assumption that the water will be consumed for a lifetime.

## 2. Perchloroethylene Drinking Water Program

A program of intensive monitoring for perchloroethylene was initiated at eight St. Clair River area water treatment plants on August 29, 1985, as a result of the August 1985 Dow Chemical spill of this substance. Daily testing for perchloroethylene was conducted at Windsor, Amherstburg, Mitchell's Bay, Tilbury North, Belle River, Stag Island, Wallaceburg and Walpole Island until mid-September 1985. When the spill clean-up began on November 14, 1985, twice-daily monitoring was conducted at Walpole Island and Wallaceburg. This program was terminated on December 24, 1985, upon completion of the spill clean-up operation.

The highest level detected at any time in treated drinking water was 4 parts per billion (ppb) immediately following the spill. Continued monitoring indicated that perchloroethylene levels steadily decreased in the river since the spill. From the starting date of the spill clean-up (November 14, 1985), no levels in any sample have exceeded 1 ppb. The World Health Organization's tentative guideline for perchloroethylene in treated drinking water is 10 ppb.

Weekly monitoring for perchloroethylene as part of the regular DWSP program continues in Windsor, Wallaceburg, Amherstburg, Mitchell's Bay and Walpole Island.

## 3. Dioxin Drinking Water Program

The Ministry of the Environment tested for dioxins at four St. Clair area water treatment plants, including Sarnia (Lambton), Wallaceburg, Windsor and Amherstburg. (See Table C.1)

In November 1985, an agreement was entered into by Health and Welfare Canada, Carleton University and the Ministry of the Environment to allow this program to be expanded to include 7 area water treatment plants (Sarnia, Walpole Island, Wallaceburg, Amherstburg, Windsor, Mitchell's Bay and Stoney Point). (See Table C.2)

Arising from this joint study on dioxin testing, several technical decisions relating to data interpretation required resolution. H & W Canada uses high resolution mass spectrometry while the Ministry of the Environment routinely uses low resolution mass spectrometry, with high resolution mass spectrometry reserved to corroborate positive findings.

The results of the dioxin survey are as follows, with dates shown by month/day/year:

1. Octadibenzodioxins were found at trace levels in treated water at Mitchell's Bay on 11/25/85 and 12/09/85; at Sarnia on 12/09/85; at Wallaceburg on 12/02/85 and 12/16/85; and at Windsor on 12/03/85 and 12/10/85.
2. Octadibenzofurans were found in treated water at trace levels at Windsor on 12/03/85.
3. No 2,3,7,8-tetradibenzodioxins were found in any sample of raw or treated water.
4. Tetradibenzodioxins were found in raw water at Windsor on 07/15/85 and at Walpole Island on 12/05/85; none were found in treated water.
5. Pentadibenzodioxins were found in raw water at Walpole Island on 12/05/85; none were found in treated water.
6. Hexadibenzodioxins were found in raw water at Wallaceburg on 12/02/85; they were not found in any treated water.
7. Heptadibenzodioxins were found only once in raw water at Amherstburg on 12/02/85; they were not found in treated water.
8. Octadibenzodioxins were found in raw water at Windsor on 07/15/85, 09/25/85, 11/20/85, 12/03/85, 12/10/85 and 12/17/85; at Amherstburg on 07/02/85, 11/19/85 and 12/02/85; at Mitchell's Bay on 11/25/85 and 12/09/85; at Wallaceburg on 12/02/85 and 12/09/85; at Walpole Island on 12/09/85; at Stoney Point on 12/03/85 and 12/17/85.
9. Tetradibenzofurans were found in raw water at Wallaceburg on 12/02/85; none were found in treated water.
10. Pentadibenzofurans were found in Wallaceburg on 12/02/85; none were found in treated water.
11. Octadibenzofurans were found in raw water at Windsor on 12/03/85 and at Wallaceburg on 12/02/85.

To put the results of the octadibenzodioxins and the octadibenzofurans in perspective, the following explanation is offered:

- ° An interim "maximum acceptable concentration" of 15 parts per quadrillion (ppq) (as 2,3,7,8-dibenzodioxin) for drinking water was derived by an expert group with members from Health and Welfare Canada, Ontario Ministry of Health, Ontario Ministry of Labour, and Ontario Ministry of the Environment. Dibenzodioxins and dibenzofurans, other than 2,3,7,8-dibenzodioxin, are far less toxic, some of these by as much as a factor of ten thousand.
- ° Therefore, the trace levels found in treated water, even for the maximum values, added together for octadibenzodioxins and octadibenzofurans, in Windsor treated water (12/03/85) at  $T \leq 10$  ppq respectively (i.e.,  $T \leq 20$  ppq total) should be compared to a much larger number to reflect the lower toxicity of these compounds. This number is 150,000 ppq, derived by multiplying the health-based level of 15 ppq by the lower toxicity factor of 10,000. A similar comparison can be made in the case of the  $T \leq 22$  ppq octadibenzodioxins at Sarnia (12/09/85).

Note:  $T \leq$  (number) means below or equal to the reporting limit, that is, dioxin or furan is present but at a level too low to quantify.



Table A - Comment

Ontario Drinking Water Objectives (ODWO)

The primary purpose of drinking water objectives is the protection of the health of the public consuming the water. Aesthetic considerations may also provide a basis for drinking water objectives, since the water should be pleasant to drink. The control of such aspects of water quality as hardness, corrosiveness, etc. is also important. The limits set are considered to outline the minimum requirements necessary to fulfill the above objectives, and may be either health related or related to aesthetic and other considerations.

Because this survey covered such a large number of parameters, many of them did not have an ODWO. In order to be able to compare data results to health guidelines, it was necessary to refer to objectives and guidelines from other jurisdictions.

Table A - Footnotes

A3C = approximate result; exceeds 300 colonies  
AW = analysis withdrawn  
c = California State Department of Health Action Level  
CS = contamination suspected  
d = OWDO for DDT (contains other isomers such as OPDDT and PPDDT)  
e = USEPA ambient guideline  
ea = United States Environmental Protection Agency (USEPA) ambient level for endosulfan (contains other isomers)  
ep = USEPA proposed maximum contaminant level for drinking water  
g = suggested Health and Welfare Canada/Ontario Ministry of the Environment guideline value  
h = World Health Organization (WHO) guideline  
h\* = World Health Organization (WHO) Odour Threshold  
IS = no data: insufficient sample provided for this analysis  
LA = lab accident  
mg/L = milligrams per litre, parts per million, (ppm)  
NA = not applicable to this type of sample  
ng/L = nanograms per litre, parts per trillion, (ppt)



Table A - Footnotes (continued)

NR = not requested  
NS = not sampled  
OP = obscured plate  
Presence/Absence = microbiological test to indicate presence or absence of coliform bacteria  
R = raw water  
T = Treated Drinking Water  
<T = below the usual reporting limit of 10 times analytical detection, and is provided for information only  
t = ODWO Interim maximum acceptable concentration  
ug/L = micrograms per litre, parts per billion, (ppb)  
UPR = no data; no preserved sample provided for this test  
UR = no data; no unpreserved sample provided for this test  
<W = less than lowest detectable concentration  
y = New York State (Taste and Odour) proposed drinking water guideline  
l = ODWO unless noted  
> = greater than  
< = less than  
!NR = sample not received at laboratory  
!AD = no data; anomalous data withdrawn  
!72 = no data; sample age exceeds 72 hours  
+ = no data; seasonal analysis  
++ = total Trihalomethanes  
+++ = combined total: Heptachlor and Heptachlor Epoxide  
\* = total Kjeldahl Nitrogen minus Ammonia Nitrogen  
\*\* = total of Aldrin and Dieldrin  
\*\*\* = Chlordane is a mixture of alpha and gamma isomers  
TN = no data, too numerous to count  
X<T = present but not quantifiable  
SM = no data; sample missing (lost in lab?)  
BT = no data; sample broken in transit

TABLE A

AMHERSTBURG WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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Updated: January 21, 1986

PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10	JAN 7		
1 ALKALINITY		R	84.0	82.4	86.6	85.0	91.4	85.2	107.8	107.0		0.2	
1 (LAB)	mg/L	T	66.6	68.4	75.4	71.6	70.4	67.8	67.0	86.0		mg/L	
2 ALUMINUM		R	0.250	0.033	0.210	0.190	0.990	0.570	9.100			0.003	
2 (MET)	mg/L	T	0.039	0.069	0.093	0.056	0.038	0.068	0.090			mg/L	
3 ARSENIC		R	<W	<W	<W	<W	<W	<W	0.001			0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W			mg/L	mg/L
4 BARIUM		R	0.012	0.013	0.014	0.013	0.017	0.014	0.054			0.001	1
4 (MET)	mg/L	T	0.011	0.013	0.014	0.012	0.015	0.013	0.014			mg/L	mg/L
5 BORON		R	0.06	0.10	<W	0.03	<W	0.08	0.04			0.02	5
5 (MET)	mg/L	T	0.05	0.10	<W	0.08	<W	0.05	0.06			mg/L	mg/L
6 BERYLLIUM		R	<W	<W	<W	<W	<W	<W	<W			0.001	
6 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W			mg/L	
7 BENZENE		R	<W	<W	<W	<W	<W	<W	<W	<W		1	10
7 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ug/L	ug/L
8 TOLUENE		R	<W	<W	<W	<W	<W	<W	<W	<W		1	14300
8 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ug/L	ug/L
9 ETHYLBENZENE		R	<W	<W	<W	<W	<W	<W	<W	<W		1	1400
9 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ug/L	ug/L
10 P-XYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W		1	620
10 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ug/L	ug/L
11 M-XYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W		1	620
11 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ug/L	ug/L

PAGE 2

PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ/GUIDELINE <sup>1</sup>
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10	JAN 7		
12 O-XYLENE 12 (VOL)	ug/L	R <W T <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W			1 ug/L	620 ug/L
13 CALCIUM 13 (LAB)	mg/L	R 26.5 T 26.8	27.2 28.4	29.6 30.0	30.0 30.0	34.6 37.0	31.0 33.5	42.0 34.8	40.2 42.0			0.1 mg/L	
14 CYANIDE 14 (MET)	mg/L	R <W T <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W				0.001 mg/L	0.2 mg/L
15 CADMIUM 15 (MET)	mg/L	R <W T <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W				0.0003 mg/L	0.005 mg/L
16 CHLORIDE 16 (LAB)	mg/L	R 10.4 T 10.4	8.8 12.8	9.6 12.4	10.6 19.8	22.4 22.4	17.6 20.2	21.0 19.4	26.2 27.6			0.2 mg/L	250 mg/L
17 COLOUR 17 (LAB)	TCU	R 3.0 T 1.0<T	4.0 0.5<T	6.0 0.5<T	7.0 0.5<T	22.5 0.5<T	7.5 0.5<T	80.0 1.5<T	20.0 0.5<T			0.5 TCU	5 TCU
18 CONDUCTIVITY 18 (LAB)	umho/cm	R 232 T 238	230 246	238 258	238 269	310 323	270 300	349 306	352 368			0.01 UMHO/CM	
19 COBALT 19 (MET)	mg/L	R <W T <W	<W <W	0.001 <W	<W <W	0.001 0.001	0.001 <W	0.009 <W				0.001 mg/L	
20 CHROMIUM 20 (MET)	mg/L	R 0.003 T 0.002	<W <W	0.002 0.001	0.002 0.001	0.003 0.002	0.003 0.002	0.017 0.002				0.001 mg/L	0.05 mg/L
21 COPPER 21 (MET)	mg/L	R 0.007 T 0.002	0.004 0.001	0.005 <W	0.006 0.003	0.006 0.003	0.008 0.013	0.020 0.004				0.001 mg/L	1 mg/L
22 F. COLIFORM MF 22 (BAC) count/100mL		R 118 T NA	LA NA	124. NA	176. NA	>300 NA	TN NA	TN NA	TN NA	>600 NA		0	0/0.1L mL

**AMHERSTBURG WATER TREATMENT PLANT  
1985-1986 DWSP DATA**

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PARAMETERS			D A T E									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10	JAN 7		
23 IRON		R	0.490	0.110	0.250	0.270	0.940	0.560	9.800			0.002	0.3
23 (MET)	mg/L	T	0.010	0.013	<W	<W	0.002	0.014	0.025			mg/L	mg/L
24 FLUORIDE		R	0.09	0.09	0.10	0.11	0.14	0.10	0.16	0.12		0.01	2.4
24 (LAB)	mg/L	T	1.15	1.04	1.17	1.02	0.97	1.20	1.11	1.08		mg/L	mg/L
25 FIELD CHLORINE (COMBINED)		R	NA	NA	NA	NA	NA	NA	NA	NA	NA		
25 (FLD)		T	0.20	0.10	0.20	0.20	0.10	0.00	0.10	0.25	NS		
26 FIELD CHLORINE (FREE)		R	NA	NA	NA	NA	NA	NA	NA	NA	NA		
26 (FLD)		T	0.70	0.80	0.80	0.80	0.80	0.80	0.80	0.65	NS		
27 FIELD CHLORINE (TOTAL)		R	NA	NA	NA	NA	NA	NA	NA	NA	NA		
27 (FLD)		T	0.90	0.90	1.00	1.00	0.90	0.80	0.90	0.90	NS		
28 FIELD PH		R	7.70	7.70	7.70	7.80	8.10	7.60	7.80	7.90	7.70		
28 (FLD)		T	6.90	7.20	7.10	7.10	7.20	6.80	7.10	7.00	NS		
29 FIELD TEMPERATURE		R	14.0	22.0	21.0	14.0	9.0	7.0	5.0	2.0	0.5		
29 (FLD)		T	15.0	22.0	20.0	14.0	8.0	6.0	5.0	3.0	NS		
30 FIELD TURBIDITY		R	7.70	6.10	7.30	5.30	23.0	24.2	112.0	34.0	2.30		1 FTU
30 (FLD)		T	0.08	0.12	0.17	0.04	0.05	0.23	0.27	0.38	NS		
31 HARDNESS		R	95.4	97.1	105	105	123	110	149	140		0.5	
31 (LAB)	mg/L	T	96.1	101	107	106	130	117	122	144		mg/L	
32 STANDARD PLATE COUNT MF		R	1800	>2400	NR	LA	>2400	>2400	>2400	AW	580	0	500 orga-
32 (BAC)	count/mL	T	280	1	2	9	1	1	4	AW	AW		nisms per mL
33 MERCURY		R	<W	<W	0.01	<W	0.01	0.01	0.10			0.01	1
33 (MET)	ug/L	T	<W	<W	0.01	<W	0.01	<W	<W			ug/L	ug/L

**AMHERSTBURG WATER TREATMENT PLANT  
1985-1986 DWSP DATA**

**PAGE 4**

PARAMETERS			D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10	JAN 7			
34 MAGNESIUM		R	7.10	7.20	7.50	7.40	8.85	7.80	10.80	9.70			0.05	
34 (LAB)	mg/L	T	7.10	7.20	7.70	7.50	9.10	8.20	8.40	9.60			mg/L	
35 MANGANESE		R	0.015	0.007	0.010	0.009	0.013	<W	0.130				0.001	0.05
35 (MET)	mg/L	T	0.005	<W	<W	0.001	0.003	0.002	0.003				mg/L	mg/L
36 MOLYBDENUM		R	0.002	<W	0.001	0.002	0.001	0.001	<W				0.001	0.25
36 (MET)	mg/L	T	<W	<W	0.001	0.002	0.001	0.001	0.001				mg/L	mg/L s
37 SODIUM		R	7.0	6.2	6.4	6.6	13.5	10.8	11.6	15.4			0.1	
37 (LAB)	mg/L	T	6.2	7.4	7.4	11.8	12.3	12.0	10.2	15.5			mg/L	
38 NICKEL		R	<W	<W	<W	<W	0.003	0.002	0.015				0.002	
38 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	0.002				mg/L	
39 AMMONIUM TOTAL		R	<W	<W	<W	<W	<W	<W	<W	<W			0.05	
39 (LAB)	mg/L	T	<W	<W	<W	<W	<W	<W	0.05<T	<W			mg/L	
40 NITRITE		R	.015<T	.020<T	.020<T	.015<T	.015<T	.015<T	0.070	0.040<T			0.005	1 mg/L
40 (LAB)	mg/L	T	<W	.010<T	<W	<W	<W	<W	<W	<W			mg/L	as N
41 NITRATE		R	NR	NR	0.30<T	0.30<T	0.65	0.55	2.00	1.55			0.05	10 mg/L
41 (LAB)	mg/L	T	NR	NR	0.30<T	0.30<T	0.90	0.90	0.90	1.55			mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	0.30<T	0.60<T	0.30<T	0.30<T	<W	0.30<T	1.75	0.40<T			0.1	0.15
42 (LAB)	mg/L	T	0.20<T	0.40<T	0.10<T	0.20<T	<W	0.10<T	0.20<T	0.20<T			mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NA	NA	NA	NA	NA	NA	NA	NA	NA		0	Absent
43 (BAC)		T	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT			
44 LEAD	mg/L	R	<W	<W	<W	<W	<W	<W	0.018				0.003	0.05
44 (MET)		T	<W	<W	<W	<W	<W	<W	<W				mg/L	mg/L

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		MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10	JAN 7			
45 PH	R	8.22	8.22	8.45	8.29	8.24	7.99	7.90	8.16				
45 (LAB)	T	7.20	7.37	7.44	7.45	7.29	7.22	6.96	7.24				
46 PHOSPHORUS FILTERED REACTIVE	R	<W	<W	<W	<W	NR	<W	0.06<T	<W			0.01	
46 (LAB) mg/L	T	<W	<W	<W	<W	NR	<W	0.01<T	<W			mg/L	
47 PHOSPHORUS TOTAL	R	0.02<T	0.06<T	0.04<T	0.02<T	NR	0.08<T	0.42	0.070<T			0.01	
47 (LAB) mg/L	T	<W	0.04<T	<W	<W	NR	0.02<T	<W	<W			mg/L	
48 ALDRIN	R	<W	<W	<W	<W	<W	<W	<W	<W			1	700
48 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L **
49 ALPHA BHC	R	<W	<W	3<T	2<T	2<T	2<T	2<T	3<T			1	700
49 (PST) ng/L	T	3<T	<W	2<T	2<T	3<T	2<T	<W	<W			ng/L	ng/L c
50 BETA BHC	R	<W	<W	<W	<W	<W	<W	<W	<W			1	300
50 (PST) ng/L	T	<W	<W	<W	<W	<W	4<T	<W	<W			ng/L	ng/L c
51 LINDANE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	4000
51 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L
52 ALPHA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W	<W			2	700
52 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L ***
53 GAMMA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W	<W			2	700
53 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L ***
54 DIELDRIN	R	<W	<W	<W	<W	<W	<W	<W	<W			2	700
54 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L **
55 METHOXYCHLOR	R	<W	<W	<W	<W	<W	<W	<W	<W			5	100000
55 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L

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			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10	JAN 7			
56 ENDRIN		R	<W	<W	<W	<W	<W	<W	<W	<W			4	200
56 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L
57 THIODAN SULPHATE		R	<W	<W	<W	<W	<W	<W	<W	<W			4	
57 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
58 THIODAN I		R	<W	<W	<W	<W	<W	<W	<W	<W			2	74000
58 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L ea
59 THIODAN II		R	<W	<W	<W	<W	<W	<W	<W	<W			4	74000
59 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L ea
60 METHYLPARATHION		R	+	+	+	+	+	+					50	7000
60 (SPC)		T	+	+	+	+	+	+					ng/L	ng/L
61 PARATHION		R	+	+	+	+	+	+					50	35000
61 (SPC)		T	+	+	+	+	+	+					ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R	<W	<W	<W	<W	<W	<W	<W	<W			1	3000 +++
62 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L
63 HEPTACHLOR		R	<W	<W	<W	<W	1<T	<W	<W	<W			1	3000
63 (PST)	ng/L	T	<W	<W	<W	<W	<W	5<T	<W	<W			ng/L	ng/L +++
64 MIREX		R	<W	<W	<W	<W	<W	<W	<W	<W			5	
64 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
65 OXYCHLORDANE		R	<W	<W	<W	<W	<W	<W	<W	<W			2	
65 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
66 O,P,-DDT		R	<W	<W	<W	<W	<W	<W	<W	<W			5	30000
66 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L d

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			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10	JAN 7			
67 PCB		R	<W	<W	<W	<W	<W	<W	<W	<W			20	3000 ng/L t
67 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
68 P,P-DDD		R	<W	<W	<W	<W	<W	<W	<W	<W			5	d
68 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
69 P,P-DDE		R	2<T	<W	<W	<W	<W	<W	<W	<W			1	d
69 (PST)	ng/L	T	<W	<W	<W	<W	1<T	<W	<W	<W			ng/L	
70 P,P-DDT		R	<W	<W	<W	<W	<W	<W	<W	<W			5	d
70 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
71 AMETRINE		R	+	+	+	<W	+	+					50	14000 ng/L
71 (SPC)	ng/L	T	+	+	+	<W	+	+					ng/L	
72 ATRAZINE		R	+	+	+	<W	+	+					50	
72 (SPC)	ng/L	T	+	+	+	<W	+	+					ng/L	
73 DIAZINON		R	+	+	+	NS	+	+					50	
73 (SPC)	ng/L	T	+	+	+	NS	+	+					ng/L	
74 BLADEX		R	+	+	+	<W	+	+					100	
74 (SPC)	ng/L	T	+	+	+	<W	+	+					ng/L	
75 PROMETONE		R	+	+	+	<W	+	+					50	
75 (SPC)	ng/L	T	+	+	+	<W	+	+					ng/L	
76 PROPazine		R	+	+	+	<W	+	+					50	
76 (SPC)	ng/L	T	+	+	+	<W	+	+					ng/L	
77 PROMETRYNE		R	+	+	+	<W	+	+					50	
77 (SPC)	ng/L	T	+	+	+	<W	+	+					ng/L	



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78 SENCOR		R	+	+	+	<W	+	+				100	
78 (SPC)	ng/L	T	+	+	+	<W	+	+				ng/L	
79 SIMAZINE		R	+	+	+	<W	+	+				50	
79 (SPC)	ng/L	T	+	+	+	<W	+	+				ng/L	
80 DICAMBA		R	+	+	+	<W	+	+				100	
80 (SPC)	ng/L	T	+	+	+	<W	+	+				ng/L	
81 PICLORAM		R	+	+	+	<W	+	+				100	
81 (SPC)	ng/L	T	+	+	+	<W	+	+				ng/L	
82 SILVEX		R	+	+	+	<W	+	+				50	10000
82 (SPC)	ng/L	T	+	+	+	<W	+	+				ng/L	ng/L
83 2,4-D		R	+	+	+	<W	+	+				100	100000
83 (SPC)	ng/L	T	+	+	+	<W	+	+				ng/L	ng/L
84 2,4-D BUTYRIC ACID		R	+	+	+	<W	+	+				200	
84 (SPC)	ng/L	T	+	+	+	<W	+	+				ng/L	
85 2,4-D PROPIONIC ACID		R	+	+	+	<W	+	+				100	
85 (SPC)	ng/L	T	+	+	+	<W	+	+				ng/L	
86 2,4,5-T		R	+	+	+	<W	+	+				50	
86 (SPC)	ng/L	T	+	+	+	<W	+	+				ng/L	
87 TOTAL SOLIDS		R	151	144	155	155	221	176	556	241		1	
87 (LAB)	mg/L	T	155	160	168	175	210	195	199	239		mg/L	
88 SELENIUM		R	<W	<W	<W	<W	<W	<W	<W			0.001	0.01
88 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W			mg/L	mg/L

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			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10				
89 STRONTIUM		R	0.099	0.100	0.110	0.220	0.130	0.100	0.190				0.001 mg/L	
89 (MET) mg/L		T	0.098	0.110	0.110	0.100	0.130	0.110	0.120					
90 TOTAL COLIFORM MF		R	1800	300	1800	800	>11800	4900A3C	11400A3C	7600A3C	4600		0	ODWO Bacti
90 (BAC) count/100mL		T	0	0	0	0	2	0	0	0	0			
91 TOTAL COLIFORM BACKGROUND MF		R	16500	90000	49000	46000	110000	58000	96000	31000	10600		0	OWDO Bacti
91 (BAC) count/100mL		T	0	0	0	1	11	0	2	0	0			
92 TURBIDITY		R	9.8	5.3	9.0	10.9	32	20	>200	48.0			0.01 FTU	1 FTU
92 (LAB) FTU		T	0.43<T	0.10<T	0.19<T	0.10<T	0.27<T	0.17<T	0.16<T	0.16<T				
93 URANIUM		R	<W	<W	<W	<W	<W	<W	<W				0.002 mg/L	.02 mg/L t
93 (MET) mg/L		T	<W	<W	<W	<W	<W	<W	<W					
94 VANADIUM		R	0.001	<W	<W	<W	0.001	0.001	0.021				0.001 mg/L	
94 (MET) mg/L		T	0.001	0.001	<W	<W	<W	<W	<W					
95 HEXACHLOROBUTADIENE		R	<W	<W	<W	<W	<W	<W	<W	<W			1 ng/L	4500 ng/L e
95 (CHA) ng/L		T	<W	<W	<W	<W	<W	<W	<W	<W				
96 1,1-DICHLOROETHYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W			1 ug/L	.3 ug/L h
96 (VOL) ug/L		T	<W	<W	<W	<W	<W	<W	<W	<W				
97 METHYLENE CHLORIDE		R	<W	<W	<W	<W	<W	!AD					5 ug/L	40 ug/L c
97 (VOL) ug/L		T	<W	<W	<W	<W	<W	!AD						
98 T,1,2-DICHLOROETHYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W			1 ug/L	
98 (VOL) ug/L		T	<W	<W	<W	<W	<W	<W	<W	<W				
99 1,1-DICHLOROETHANE		R	<W	<W	<W	<W	<W	<W					1 ug/L	
99 (VOL) ug/L		T	<W	<W	<W	<W	<W	<W						

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			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10	JAN 7			
100 CHLOROFORM	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	350
100 (VOL) ug/L	T	21	38	31	20	26	17	16	15				ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	<W	<W	<W	<W	CS	<W	<W				5	40
101 (VOL) ug/L	T	<W	<W	<W	<W	<W	CS	<W	<W				ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	
102 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	
103 DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	
103 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	
104 1,2-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	10
104 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	3
105 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	6
106 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	30
107 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	350
108 (VOL) ug/L	T	10	14	13	9	12	10	7	10				ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	6
109 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	350
110 (VOL) ug/L	T	5	15	15	8	9	9	6	9				ug/L	ug/L ++

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111 TETRACHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	10	
111 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L	h
112 BROMOFORM	R	<W	<W	<W	<W	<W	<W	<W	<W			1	350	
112 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L	++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	1.7	
113 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L	e
114 HEXACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	3<T	<W			1	10	
114 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L	h
115 HEXACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	19000	
115 (CHA) ng/L	T	<W	<W	<W	<W	5<T	<W	<W	<W			ng/L	ng/L	e
116 OCTACHLOROSTYRENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1		
116 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L		
117 PENTACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	74000	
117 (CHA) ng/L	T	<W	<W	<W	<W	4<T	<W	<W	<W			ng/L	ng/L	e
118 TOTAL TRIHALOMETHANES	R	<W	<W	<W	<W	<W	<W	<W	<W			3	350	
118 (VOL) ug/L	T	36	67	59	37	47	36	29	34			ug/L	ug/L	++
119 2,3,6-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W			5		
119 (CHA) ng/L	T	<W	<W	<W	<W	<W	19<T	13<T	<W			ng/L		
120 2,4,5-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W			5	10000	
120 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L	g
121 2,6,A-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W			5		
121 (CHA) mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L		

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			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10	JAN 7			
122 CHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	100-300
122 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L h*
123 1,4-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	400
123 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
124 1,3-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	400
124 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
125 1,2-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	400
125 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	
126 (CHA) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	
127 1,2,3-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			5	10000
127 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L y
128 1,2,3,4-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	38000
128 (CHA) ng/L	T	<W	3<T	<W	<W	<W	<W	3<T	<W	<W			ng/L	ng/L e
129 1,2,3,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	
129 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	10	<W	<W			ng/L	
130 1,2,4-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	16<T	<W	<W			5	15000
130 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L y
131 1,2,4,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	38000
131 (CHA) ng/L	T	<W	<W	<W	<W	15	<W	<W	<W	7<T			ng/L	ng/L e
132 1,3,5-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			5	10000
132 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	9<T	<W	<W			ng/L	ng/L y

**AMHERSTBURG WATER TREATMENT PLANT  
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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>	
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10			JAN 7
133 PENTACHLOROPHENOL	R	+	+	+	<W	+	+					50	10000
133 (CHP) ng/L	T	+	+	+	<W	+	+					ng/L	ng/L h
134 2,3,4-TRICHLOROPHENOL	R	+	+	+	<W	+	+					100	
134 (CHP) ng/L	T	+	+	+	<W	+	+					ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R	+	+	+	<W	+	+					50	
135 (CHP) ng/L	T	+	+	+	<W	+	+					ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R	+	+	+	<W	+	+					50	
136 (CHP) ng/L	T	+	+	+	<W	+	+					ng/L	
137 2,4,5-TRICHLOROPHENOL	R	+	+	+	<W	+	+					50	
137 (CHP) ng/L	T	+	+	+	<W	+	+					ng/L	
138 2,4,6-TRICHLOROPHENOL	R	+	+	+	<W	+	+					50	10000
138 (CHP) ng/L	T	+	+	+	<W	+	+					ng/L	ng/L h
139 ZINC	R	0.006	0.003	0.003	0.005	0.007	0.007	0.051				0.001	5
139 (MET) mg/L	T	<W	0.001	0.010	0.002	0.002	0.007	0.002				mg/L	mg/L h
140 PENTACHLOROPROPANE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
140 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
141 PENTACHLOROPROPENE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
141 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
142 HEXACHLOROPROPENE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
142 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
143 TETRACHLOROBUTANE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
143 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	

AMHERSTBURG WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS	DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
	MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10	JAN 7			
144 PENTACHLOROBUTADIENE	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
144 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
145 N-DICHLOROMETHYLENE-	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
145 PENTACHLOROANILINE	T NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
145 (MS) ug/L												
146 FLUORANTHENE	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
146 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
147 NAPHTHALENE	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
147 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
148 METHYL PHENANTHRENE	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
148 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
149 PYRENE	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
149 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
150 DIPHENYL ETHER	R NS	NS	NS	NS	NS	NS	NS	X<T			0.1	
150 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	X<T			ug/L	
151 DI-N-BUTYL PHTHALATE	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
151 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
152 CL BIPHENYL	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
152 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
153 ATRAZINE	R NS	NS	NS	NS	NS	NS	NS	X<T			0.1	
153 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	<W			ug/L	

**AMHERSTBURG WATER TREATMENT PLANT  
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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			MAY 23	AUG 26	SEP 23	OCT 28	NOV 21	NOV 25	DEC 2	DEC 10	JAN 7	
154 CARBON TETRACHLORIDE	R	NS	NS	NS	NS	NS	NS	NS	NS	<W		0.1
154 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	X<T		ug/L
155 DIBROMOCHLOROMETHANE	R	NS	NS	NS	NS	NS	NS	NS	NS	<W		0.1
155 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	X<T		ug/L
156 TETRACHLOROETHYLENE	R	NS	NS	NS	NS	NS	NS	NS	NS	<W		0.1
156 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	<W		ug/L
157 BIPHENYL	R	NS	NS	NS	NS	NS	NS	NS	NS	<W		0.1
157 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	<W		ug/L
158 BROMOFORM	R	NS	NS	NS	NS	NS	NS	NS	NS	<W		0.1
158 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	<W		ug/L

LAB - Chemistry (LAB)  
FLD - Chemistry (FIELD)  
BAC - Bacteriological  
MS - Mass Spec. Ana.

MET - Metal  
VOL - Volatiles  
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics  
CHP - Chlorophenols  
SPC - Specific Pesticides



TABLE A

MITCHELL'S BAY WATER TREATMENT PLANT  
1985-1986 DWSP DATAPAGE 1  
Updated: January 21, 1986

PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
1 ALKALINITY		R	101.2	103.6	69.4	69.6	111.2	127.4	180.4	157.6			0.2	
1 (LAB)	mg/L	T	79.2	64.2	48.4	48.0	88.8	89.2	113.4	78.2			mg/L	
2 ALUMINUM		R	0.240	0.082	0.110	0.210	0.210	0.140	2.7	2.000	0.240		0.003	
2 (MET)	mg/L	T	0.081	0.220	0.061	0.035	0.041	0.015	0.05	0.067	0.060		mg/L	
3 ARSENIC		R	<W	<W	<W	<W	<W	<W	<W	<W	<W		0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L
4 BARIUM		R	0.014	0.015	0.011	0.010	0.017	0.018	0.034	0.027	0.021		0.001	1
4 (MET)	mg/L	T	0.019	0.019	0.013	0.011	0.019	0.026	0.022	0.021	0.018		mg/L	mg/L
5 BORON		R	IS	0.08	0.07	0.06	<0.05	0.15	0.13	0.09	0.13		0.02	5
5 (MET)	mg/L	T	0.05	0.06	0.08	0.07	<0.05	0.13	0.08	0.03	0.10		mg/L	mg/L
6 BERYLLIUM		R	<W	<W	<W	<W	<W	<W	<W	<W	<W		0.001	
6 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	
7 BENZENE		R	<W	<W	<W	<W	<W	<W	<W	<W			1	10
7 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L h
8 TOLUENE		R	<W	<W	<W	<W	<W	<W	<W	<W			1	14300
8 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
9 ETHYLBENZENE		R	<W	<W	<W	<W	<W	<W	<W	<W			1	1400
9 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
10 P-XYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W			1	620
10 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
11 M-XYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W			1	620
11 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L c

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PARAMETERS			D A T E									DETECTION LIMIT	DRINKING WATER OBJECTIVE GUIDELINE <sup>1</sup>
			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6		
12 O-XYLENE 12 (VOL)	ug/L	R <W T <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W			1 ug/L	620 ug/L
13 CALCIUM 13 (LAB)	mg/L	R 33.0 T 38.0	34.0 44.5	20.8 23.5	20.5 22.0	40.2 47.0	47.5 47.5	78.5 79.0	66.0 68.0			0.1 mg/L	
14 CYANIDE 14 (MET)	mg/L	R <W T <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W		0.001 mg/L	0.2 mg/L
15 CADMIUM 15 (MET)	mg/L	R <W T <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W	<W <W		0.0003 mg/L	0.005 mg/L
16 CHLORIDE 16 (LAB)	mg/L	R 11.2 T 14.2	11.6 14.4	12.6 15.2	9.4 10.6	19.0 23.2	15.8 17.6	26.2 29.0	20.6 24.4			0.2 mg/L	250 mg/L
17 COLOUR 17 (LAB)	TCU	R 8.0 T 1.5<T	8.0 <W	8.0 1.0<T	5.5 1.0<T	18.0 1.5<T	9.5 3.0	31.0 1.5<T	36.5 <W			0.5 TCU	5 TCU
18 CONDUCTIVITY 18 (LAB)	umho/cm	R 273 T 314	281 293	216 251	201 209	336 393	362 371	552 570	472 506			0.01 UMHO/CM	
19 COBALT 19 (MET)	mg/L	R <W T <W	<W <W	<W <W	<W <W	<W <W	<W <W	.002<T <W	0.002<T <W	0.001 <W		0.001 mg/L	
20 CHROMIUM 20 (MET)	mg/L	R 0.003 T 0.003	<W <W	0.002 0.002	0.003 0.005	0.003 0.002	0.003 <W	0.008 0.003	0.006 0.003	0.003 0.003		0.001 mg/L	0.05 mg/L
21 COPPER 21 (MET)	mg/L	R 0.003 T 0.013	0.003 0.029	0.002 0.021	0.003 0.014	0.005 0.024	0.005 0.018	0.008 0.021	0.008 0.024	0.006 0.019		0.001 mg/L	1 mg/L
22 F. COLIFORM MF 22 (BAC)	count/100mL	R <2 T NA	0 NA	<2 NA	0 NA	7 NA	0 NA	26 NA	37 NA	0 NA		0	0/0.1L mL

MITCHELL'S BAY WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
23 IRON		R 0.32	0.066	0.089	0.044	0.220	0.050	3.0	1.900	0.310		0.002	0.3
23 (MET)	mg/L	T 0.02<T	0.022	0.033	0.021	0.023	0.041	0.072	0.130	0.048		mg/L	mg/L
24 FLUORIDE		R 0.13	0.17	0.11	0.10	0.16	0.14	0.19	0.17			0.01	2.4
24 (LAB)	mg/L	T 0.07	0.07	0.09	0.07	0.10	0.07	0.08	0.07			mg/L	mg/L
25 FIELD CHLORINE (COMBINED)		R NA	NA	NA	NA	NA	NA	NA	NA	NA			
25 (FLD)	mg/L	T 0.20	0.10	0.20	0.80	1.00	NS	0.25	NS	>0.10			
26 FIELD CHLORINE (FREE)		R NA	NA	NA	NA	NA	NA	NA	NA	NA			
26 (FLD)	mg/L	T 0.80	1.10	0.80	0.80	1.00	0.80	0.6	1.00	0.90			
27 FIELD CHLORINE (TOTAL)		R NA	NA	NA	NA	NA	NA	NA	NA	NA			
27 (FLD)	mg/L	T 1.0	1.20	1.0	NS	NS	NS	0.85	>1.00	>1.00			
28 FIELD PH		R NS	NS	NS	NS	NS	NS	8.3	8.00	NS			
28 (FLD)		T NS	NS	NS	NS	NS	NS	7.2	6.90	7.00			
29 FIELD TEMPERATURE		R 14.0	19.0	23.0	21.0	20.0	15.0	6.0	7.5	NS			
29 (FLD)	°C	T 16.0	21.0	24.0	23.0	21.0	12.0	13.5	10.0	9.5			
30 FIELD TURBIDITY		R 5.70	1.50	2.00	1.20	1.00	3.50	61.0	66.00	NS			1 FTU
30 (FLD)	FTU	T 0.25	0.15	0.27	0.25	0.27	0.21	0.31	0.34	0.44			
31 HARDNESS		R 117.0	125.0	86.9	82.1	147.3	166.0	266.0	224.0			0.5	
31 (LAB)	mg/L	T 133.0	150	96.1	86.6	167.2	164.0	266.0	231.0			mg/L	
32 STANDARD PLATE COUNT MF		R 1	>2400	>2400	900	900	260	900.	1200	250		0	500 orga-
32 (BAC)	count/mL	T 11	0	7	1	0	172	0	AW	1			nisms per
33 MERCURY		R 0.01	<W	0.01	<W	0.01	0.01	0.02	0.02	0.01		0.01	1
33 (MET)	ug/L	T <W	<W	0.01	0.01	0.01	0.01	0.01	<W	<W		ug/L	ug/L

MITCHELL'S BAY WATER TREATMENT PLANT  
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PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
34 MAGNESIUM		R	8.30	9.70	8.50	7.50	11.40	11.50	16.9	14.50			0.05	
34 (LAB)	mg/L	T	9.20	9.40	9.10	7.70	12.10	11.10	16.8	14.90			mg/L	
35 MANGANESE		R	.015<T	0.017	0.010	0.004	0.009	0.004	0.03	0.025	0.046		0.001	0.05
35 (MET)	mg/L	T	.005<T	0.006	0.009	0.003	0.006	0.004	0.009	0.013	0.036		mg/L	mg/L
36 MOLYBDENUM		R	<W	0.001	0.003	0.002	0.002	0.002	0.004	0.001	0.001		0.001	0.25
36 (MET)	mg/L	T	0.001	0.001	0.002	0.001	0.002	0.002	0.003	0.001	<W		mg/L	s
37 SODIUM		R	6.8	7.0	6.8	5.5	8.2	8.2	8.4	9.3			0.1	
37 (LAB)	mg/L	T	7.0	7.0	7.2	5.8	8.8	8.2	8.5	8.5			mg/L	
38 NICKEL		R	<W	<W	<W	<W	0.002	0.002	0.004	0.004	0.002		0.002	
38 (MET)	mg/L	T	<W	<W	<W	<W	0.002	<W	<W	0.001	0.002		mg/L	
39 AMMONIUM TOTAL		R	<W	<W	<W	<W	<W	<W	0.05<T	0.05<T			0.05	
39 (LAB)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W			mg/L	
40 NITRITE		R	.025<T	0.150	.025<T	0.01<T	0.03<T	0.04<T	.075	0.055			0.005	1 mg/L
40 (LAB)	mg/L	T	<W	<W	<W	0.01<T	<W	<W	<W	<W			mg/L	as N
41 NITRATE		R	NS	NS	NS	NS	1.35	NS	5.5	3.95			0.05	10 mg/L
41 (LAB)	mg/L	T	NS	NS	NS	NS	1.75	NS	5.5	3.65			mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	0.20<T	0.4<T	0.4<T	0.5<T	0.6<T	0.4<T	1.0	0.90			0.1	0.15
42 (LAB)	mg/L	T	0.60<T	0.3<T	0.2<T	0.6<T	0.2<T	0.2<T	0.5<T	0.40<T			mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NA	NA	NA	NA	NA	NA	NA	NA	NA		0	Absent
43 (BAC)		T	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	NS	ABSENT	ABSENT	ABSENT			
44 LEAD	mg/L	R	<W	0.003	<W	<W	<W	<W	0.004	0.005	<W		0.003	0.05
44 (MET)		T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L

MITCHELL'S BAY WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
45 PH	R	8.06	7.76	8.86	8.51	8.42	8.20	8.14	8.09				
45 (LAB)	T	7.19	7.41	7.32	7.60	7.19	7.32	7.53	6.75				
46 PHOSPHORUS FILTERED REACTIVE	R	0.02<T	0.01<T	<W	<W	<W	<W	<W	<W			0.01	
46 (LAB) mg/L	T	<W	0.01<T	<W	<W	<W	<W	<W	<W			mg/L	
47 PHOSPHORUS TOTAL	R	<W	0.04<T	0.02<T	0.02<T	0.02<T	<W	0.10<T	0.10<T			0.01	
47 (LAB) mg/L	T	0.06<T	0.02<T	0.01<T	0.03<T	<W	<W	0.02<T	<W			mg/L	
48 ALDRIN	R	<W	<W	<W	<W	<W	<W	<W	<W			1	700
48 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L **
49 ALPHA BHC	R	<W	<W	<2T	<W	2<T	2<T	2<T	2<T			1	700
49 (PST) ng/L	T	<W	2<T	<3T	<W	4<T	2<T	3<T	1<T			ng/L	ng/L c
50 BETA BHC	R	<W	<W	<W	<W	<W	<W	<W	<W			1	300
50 (PST) ng/L	T	<W	1<T	<W	<W	<W	<W	<W	<W			ng/L	ng/L c
51 LINDANE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	4000
51 (PST) ng/L	T	<W	1<T	<W	<W	3<T	2<T	<W	<W			ng/L	ng/L
52 ALPHA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W	<W			2	700
52 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L ***
53 GAMMA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W	<W			2	700
53 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L ***
54 DIELDRIN	R	<W	<W	<W	<W	<W	<W	<W	<W			2	700
54 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L **
55 METHOXYCHLOR	R	<W	<W	<W	<W	<W	<W	<W	<W			5	100000
55 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L

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			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6		
56 ENDRIN		R	<W	<W	<W	<W	<W	<W	<W	<W		4	200
56 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L
57 THIODAN SULPHATE		R	<W	<W	<W	<W	<W	<W	<W	<W		4	
57 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	
58 THIODAN I		R	<W	<W	<W	<W	<W	<W	<W	<W		2	74000
58 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L ea
59 THIODAN II		R	<W	<W	<W	<W	<W	<W	<W	<W		4	74000
59 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L ea
60 METHYLPARATHION		R	+	<W	+	+	+	+	+			50	7000
60 (SPC)		T	+	<W	+	+	+	+	+			ng/L	ng/L
61 PARATHION		R	+	<W	+	+	+	+	+			50	35000
61 (SPC)		T	+	<W	+	+	+	+	+			ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R	<W	<W	<W	<W	<W	<W	<W	<W		1	3000 +++
62 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L
63 HEPTACHLOR		R	<W	<W	<W	<W	<W	<W	<W	<W		1	3000
63 (PST)	ng/L	T	<W	<W	<W	<W	3<T	<W	<W	1<T		ng/L	ng/L +++
64 MIREX		R	<W	<W	<W	<W	<W	<W	<W	<W		5	
64 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	
65 OXYCHLORDANE		R	<W	<W	<W	<W	<W	<W	<W	<W		2	
65 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	
66 O,P,-DDT		R	<W	<W	<W	<W	<W	<W	<W	<W		5	30000
66 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L d

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			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
67 PCB		R	<W	<W	<W	<W	<W	<W	<W	<W			20	3000
67 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L t
68 P,P-DDD		R	<W	<W	<W	<W	<W	<W	<W	<W			5	d
68 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
69 P,P-DDE		R	<W	<W	<W	<W	<W	<W	<W	<W			1	d
69 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
70 P,P-DDT		R	<W	<W	<W	<W	<W	<W	<W	<W			5	d
70 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
71 AMETRINE		R	+	+	+	+	+	<W	+				50	
71 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
72 ATRAZINE		R	+	+	+	+	+	<W	+				50	
72 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
73 DIAZINON		R	+	<W	+	+	+	NS	+				50	14000
73 (SPC)	ng/L	T	+	<W	+	+	+	NS	+				ng/L	ng/L
74 BLADEX		R	+	+	+	+	+	<W	+				100	
74 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
75 PROMETONE		R	+	+	+	+	+	<W	+				50	
75 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
76 PROPAZINE		R	+	+	+	+	+	<W	+				50	
76 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
77 PROMETRYNE		R	+	+	+	+	+	<W	+				50	
77 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	

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			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
78 SENCOR		R	+	+	+	+	+	<W	+				100	
78 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
79 SIMAZINE		R	+	+	+	+	+	<W	+				50	
79 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
80 DICAMBA		R	+	+	+	+	+	<W	+				100	
80 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
81 PICLORAM		R	+	+	+	+	+	<W	+				100	
81 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
82 SILVEX		R	+	+	+	+	+	<W	+				50	10000
82 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	ng/L
83 2,4-D		R	+	+	+	+	+	<W	+				100	100000
83 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	ng/L
84 2,4-D BUTYRIC ACID		R	+	+	+	+	+	<W	+				200	
84 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
85 2,4-D PROPIONIC ACID		R	+	+	+	+	+	<W	+				100	
85 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
86 2,4,5-T		R	+	+	+	+	+	<W	+				50	
86 (SPC)	ng/L	T	+	+	+	+	+	<W	+				ng/L	
87 TOTAL SOLIDS		R	177	206	140	131	218	235	413	383			1	
87 (LAB)	mg/L	T	204	230	163	136	255	241	394	344			mg/L	
88 SELENIUM		R	<W	<W	<W	<W	<W	<W	<W	<W	<W		0.001	0.01
88 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L



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		MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
89 STRONTIUM	R	0.120	0.110	0.100	0.100	0.150	0.160	0.190	0.160	0.180		0.001	
89 (MET) mg/L	T	0.160	0.120	0.130	0.097	0.170	0.190	0.190	0.170	0.180		mg/L	
90 TOTAL COLIFORM MF	R	5	300	<2	200	100	4	500	2600A3C	10A3C		0	ODWO
90 (BAC) count/100mL	T	0	0	0	0	0	0	0	0	0			Bacti
91 TOTAL COLIFORM BACKGROUND MF	R	1700	41000	210000	15000	18000	500	24000	41000	420		0	OWDO
91 (BAC) count/100mL	T	0	0	1	0	0	172	0	0	0			Bacti
92 TURBIDITY	R	7.1	1.77	3.40	1.26	7.00	1.50	80.00	85.00			0.01	1
92 (LAB) FTU	T	0.3<T	<T	0.12	0.17<T	0.25<T	0.27<T	0.28<T	0.30<T			FTU	FTU
93 URANIUM	R	<W	<W	<W	<W	<W	<W	<W	<W	<W		0.002	.02
93 (MET) mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L t
94 VANADIUM	R	0.002	0.001	<W	<W	<W	<W	.009	0.005	<W		0.001	
94 (MET) mg/L	T	0.002	<W	<W	<W	<W	<W	.003	<W	<W		mg/L	
95 HEXACHLOROBUTADIENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	4500
95 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	2<T			ng/L	ng/L e
96 1,1-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	.3
96 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L h
97 METHYLENE CHLORIDE	R	<W	<W	<W	<W	<W	<W	CS				5	40
97 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	CS				ug/L	ug/L c
98 1,1,2-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	
98 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	
99 1,1-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	
99 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	

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			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
100 CHLOROFORM	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	350
100 (VOL) ug/L	T	29	43	32	31	55	44	51	29				ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	<W	<W	<W	<W	<W	CS	<W				5	40
101 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	CS	<W				ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	
102 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	
103 DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	
103 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	
104 1,2-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	10
104 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	3
105 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	6
106 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	30
107 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	350
108 (VOL) ug/L	T	16	17	14	10	25	16	18	14				ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	6
109 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W				1	350
110 (VOL) ug/L	T	6	5	13	9	20	10	10	11				ug/L	ug/L ++

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			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
111 TETRACHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	10
111 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L h
112 BROMOFORM	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	350
112 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	1.7
113 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
114 HEXACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	10
114 (PST) ng/L	T	<W	1<T	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	19000
115 (CHA) ng/L	T	<W	5<T	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	
116 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
117 PENTACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	74000
117 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			3	350
118 (VOL) ug/L	T	51	65	59	50	100	70	79	54				ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			5	
119 (CHA) ng/L	T	<W	<W	<W	<W	<W	21<T	<W	<W	<W			ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			5	10000
120 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L g
121 2,6,A-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			5	
121 (CHA) mg/L	T	<W	<W	<W	<W	<W	<W	5<T	<W	<W			ng/L	

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			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
122 CHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	100-300
122 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L h*
123 1,4-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	400
123 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
124 1,3-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	400
124 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
125 1,2-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	400
125 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	
126 (CHA) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	
127 1,2,3-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			5	10000
127 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L y
128 1,2,3,4-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	38000
128 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L e
129 1,2,3,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	
129 (CHA) ng/L	T	<W	9<T	<W	<W	<W	<W	<W	<W	<W			ng/L	
130 1,2,4-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			5	15000
130 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L y
131 1,2,4,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			1	38000
131 (CHA) ng/L	T	<W	6<T	<W	25	<W	<W	<W	<W	<W			ng/L	ng/L e
132 1,3,5-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W			5	10000
132 (CHA) ng/L	T	<W	<W	<W	12<T	<W	<W	<W	<W	9<T			ng/L	ng/L y

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			MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9			JAN 6
133 PENTACHLOROPHENOL	R	+	<W	+	+	+	<W	+				50	10000
133 (CHP) ng/L	T	+	<W	+	+	+	<W	+				ng/L	ng/L h
134 2,3,4-TRICHLOROPHENOL	R	+	<W	+	+	+	<W	+				100	
134 (CHP) ng/L	T	+	<W	+	+	+	<W	+				ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R	+	<W	+	+	+	<W	+				50	
135 (CHP) ng/L	T	+	<W	+	+	+	<W	+				ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R	+	<W	+	+	+	<W	+				50	
136 (CHP) ng/L	T	+	<W	+	+	+	<W	+				ng/L	
137 2,4,5-TRICHLOROPHENOL	R	+	<W	+	+	+	<W	+				50	
137 (CHP) ng/L	T	+	<W	+	+	+	<W	+				ng/L	
138 2,4,6-TRICHLOROPHENOL	R	+	<W	+	+	+	<W	+				50	10000
138 (CHP) ng/L	T	+	<W	+	+	+	<W	+				ng/L	ng/L h
139 ZINC	R	0.007	0.004	0.003	0.007	0.005	0.013	0.016	0.016	0.012		0.001	5
139 (MET) mg/L	T	0.006	0.011	0.006	0.006	0.010	0.009	0.009	0.011	0.012		mg/L	mg/L h
140 PENTACHLOROPROPANE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
140 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
141 PENTACHLOROPROPENE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
141 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
142 HEXACHLOROPROPENE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
142 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
143 TETRACHLOROBUTANE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
143 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	

MITCHELL'S BAY WATER TREATMENT PLANT  
1985-1986 DWSP DATA

PAGE 14

PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
144 PENTACHLOROBUTADIENE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
144 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
145 N-DICHLOROMETHYLENE-	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
145 PENTACHLOROANILINE												ug/L	
145 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W				
146 FLUORANTHENE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
146 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
147 NAPHTHALENE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
147 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
148 METHYL PHENANTHRENE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
148 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
149 PYRENE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
149 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
150 DIPHENYL ETHER	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
150 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
151 DI-N-BUTYL PHTHALATE	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
151 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
152 CL BIPHENYL	R	NS	NS	NS	NS	NS	NS	NS	<W			0.1	
152 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
153 ATRAZINE	R	NS	NS	NS	NS	NS	NS	NS	X<T			0.1	
153 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	X<T			ug/L	

MITCHELL'S BAY WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS	DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
	MAY 23	JUN 18	JUL 22	AUG 26	SEP 23	OCT 28	NOV 25	DEC 9	JAN 6			
154 CARBON TETRACHLORIDE	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
154 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	X<T			ug/L	
155 DIBROMOCHLOROMETHANE	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
155 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	X<T			ug/L	
156 TETRACHLOROETHYLENE	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
156 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	X<T			ug/L	
157 BIPHENYL	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
157 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	<W			ug/L	
158 BROMOFORM	R NS	NS	NS	NS	NS	NS	NS	<W			0.1	
158 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	<W			ug/L	

LAB - Chemistry (LAB)  
FLD - Chemistry (FIELD)  
BAC - Bacteriological  
MS - Mass Spec. Ana.

MET - Metal  
VOL - Volatiles  
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics  
CHP - Chlorophenols  
SPC - Specific Pesticides

TABLE A

SARNIA WATER TREATMENT PLANT  
1985-1986 DWSP DATAPAGE 1  
Updated: January 21, 1986

PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 15	DEC 2	DEC 10	JAN 6						
1 ALKALINITY		R	80.2	79.4							0.2	
1 (LAB)	mg/L	T	73.0	72.8							mg/L	
2 ALUMINUM		R	NR	0.180	0.026	0.051					0.003	
2 (MET)	mg/L	T	NR	0.130	0.072	0.086					mg/L	
3 ARSENIC		R	<W	<W	<W	<W					0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W	<W					mg/L	mg/L
4 BARIUM		R	NR	0.012	0.012	0.011					0.001	1
4 (MET)	mg/L	T	NR	0.012	0.011	0.011					mg/L	mg/L
5 BORON		R	NR	IS	0.02	0.04					0.02	5
5 (MET)	mg/L	T	NR	IS	0.02	0.06					mg/L	mg/L
6 BERYLLIUM		R	NR	<W	<W	<W					0.001	
6 (MET)	mg/L	T	NR	<W	<W	<W					mg/L	
7 BENZENE		R	<W	<W	<W						1	10
7 (VOL)	ug/L	T	<W	<W	<W						ug/L	ug/L h
8 TOLUENE		R	<W	<W	<W						1	14300
8 (VOL)	ug/L	T	<W	<W	<W						ug/L	ug/L e
9 ETHYLBENZENE		R	<W	<W	<W						1	1400
9 (VOL)	ug/L	T	<W	<W	<W						ug/L	ug/L e
10 P-XYLENE		R	<W	<W	<W						1	620
10 (VOL)	ug/L	T	<W	<W	<W						ug/L	ug/L e
11 M-XYLENE		R	<W	<W	<W						1	620
11 (VOL)	ug/L	T	<W	<W	<W						ug/L	ug/L c



SARNIA WATER TREATMENT PLANT  
1985-1986 DWSP DATA

PAGE 2

PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 15	DEC 2	DEC 10	JAN 6						
12 O-XYLENE		R	<W	<W	<W						1 ug/L	620 ug/L c
12 (VOL)	ug/L	T	<W	<W	<W							
13 CALCIUM		R	26.0	25.5							0.1 mg/L	
13 (LAB)	mg/L	T	27.0	26.0								
14 CYANIDE		R	NR	<W	<W	<W					0.001	0.2
14 (MET)	mg/L	T	NR	<W	<W	<W					mg/L	mg/L
15 CADMIUM		R	NR	<W	<W	<W					0.0003	0.005
15 (MET)	mg/L	T	NR	<W	<W	<W					mg/L	mg/L
16 CHLORIDE		R	5.0	4.8							0.2	250
16 (LAB)	mg/L	T	6.6	6.0							mg/L	mg/L
17 COLOUR	TCU	R	3.5	4.0							0.5	5
17 (LAB)		T	<W	0.5<T							TCU	TCU
18 CONDUCTIVITY		R	210	211							0.01	
18 (LAB)	umho/cm	T	215	216							UMHO/CM	
19 COBALT		R	NR	<W	<W	<W					0.001	
19 (MET)	mg/L	T	NR	<W	<W	<W					mg/L	
20 CHROMIUM		R	NR	0.001	0.001	0.001					0.001	0.05
20 (MET)	mg/L	T	NR	0.002	0.001	0.001					mg/L	mg/L
21 COPPER		R	NR	0.002	0.002	0.002					0.001	1
21 (MET)	mg/L	T	NR	0.004	0.004	0.004					mg/L	mg/L
22 F. COLIFORM MF		R	NR	10	0	0					0	0/0.1L
22 (BAC)	count/100mL	T	NR	NA	NA	NA						mL

SARNIA WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 15	DEC 2	DEC 10	JAN 6						
23 IRON		R	NR	0.230	0.039	0.061					0.002	0.3
23 (MET)	mg/L	T	NR	0.092	0.023	0.040					mg/L	mg/L
24 FLUORIDE		R	0.08	0.07							0.01	2.4
24 (LAB)	mg/L	T	1.19	1.33							mg/L	mg/L
25 FIELD CHLORINE (COMBINED)		R	NA	NA	NA	NA						
25 (FLD)		T	NS	0.10	0.10	NS						
26 FIELD CHLORINE (FREE)		R	NA	NA	NA	NA						
26 (FLD)		T	NS	0.68	0.70	NS						
27 FIELD CHLORINE (TOTAL)		R	NA	NA	NA	NA						
27 (FLD)		T	NS	0.75	0.80	NS						
28 FIELD PH		R	NS	8.23	8.50	8.00						
28 (FLD)		T	NS	7.23	NS	NS						
29 FIELD TEMPERATURE		R	NS	5.0	5.0	0.0						
29 (FLD)		T	NS	10.0	7.0	NS						
30 FIELD TURBIDITY		R	NS	4.50	0.88	3.20						1 FTU
30 (FLD)		T	NS	0.47	0.10	NS						
31 HARDNESS		R	94.8	92.7							0.5	
31 (LAB)	mg/L	T	97.3	94.2							mg/L	
32 STANDARD PLATE COUNT MF		R	NR	33	5	12					0	500 orga-
32 (BAC)	count/mL	T	NR	2	AW	0						nisms per
33 MERCURY		R	NR	LA	<W	0.01					0.01	1
33 (MET)	ug/L	T	NR	LA	<W	0.01					ug/L	ug/L

SARNIA WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 15	DEC 2	DEC 10	JAN 6						
34 MAGNESIUM		R	7.25	7.05							0.05	
34 (LAB)	mg/L	T	7.25	7.10							mg/L	
35 MANGANESE		R	NR	0.006	0.002	0.004					0.001	0.05
35 (MET)	mg/L	T	NR	0.004	0.002	0.002					mg/L	mg/L
36 MOLYBDENUM		R	NR	0.001	<W	<W					0.001	0.25
36 (MET)	mg/L	T	NR	0.001	<W	<W					mg/L	mg/L s
37 SODIUM		R	3.5	4.0							0.1	
37 (LAB)	mg/L	T	3.5	3.5							mg/L	
38 NICKEL		R	NR	0.001	<W	<W					0.002	
38 (MET)	mg/L	T	NR	0.001	0.001	<W					mg/L	
39 AMMONIUM TOTAL		R	NR	<W							0.05	
39 (LAB)	mg/L	T	NR	<W							mg/L	
40 NITRITE		R	<W	<W							0.005	1 mg/L
40 (LAB)	mg/L	T	<W	<W							mg/L	as N
41 NITRATE		R	0.30<T	0.25<T							0.05	10 mg/L
41 (LAB)	mg/L	T	0.30<T	0.30<T							mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	NR	0.20<T							0.1	0.15
42 (LAB)	mg/L	T	NR	0.10<T							mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NR	NA	NA	NA					0	Absent
43 (BAC)		T	NR	ABSENT	ABSENT	ABSENT						
44 LEAD		R	NR	<W	<W	<W					0.003	0.05
44 (MET)	mg/L	T	NR	<W	<W	<W					mg/L	mg/L

SARNIA WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		NOV 15	DEC 2	DEC 10	JAN 6								
45 PH	R	8.13	8.15										
45 (LAB)	T	7.50	7.49										
46 PHOSPHORUS FILTERED REACTIVE	R	NR	<W								0.01		
46 (LAB) mg/L	T	NR	<W								mg/L		
47 PHOSPHORUS TOTAL	R	NR	<W								0.01		
47 (LAB) mg/L	T	NR	<W								mg/L		
48 ALDRIN	R	<W	<W	<W							1	700	
48 (PST) ng/L	T	<W	LA	<W							ng/L	ng/L	**
49 ALPHA BHC	R	3<T	3<T	3<T							1	700	
49 (PST) ng/L	T	3<T	LA	4<T							ng/L	ng/L	c
50 BETA BHC	R	<W	<W	<W							1	300	
50 (PST) ng/L	T	<W	LA	<W							ng/L	ng/L	c
51 LINDANE	R	<W	<W	<W							1	4000	
51 (PST) ng/L	T	<W	LA	<W							ng/L	ng/L	
52 ALPHA CHLORDANE	R	<W	<W	<W							2	700	
52 (PST) ng/L	T	<W	LA	<W							ng/L	ng/L	***
53 GAMMA CHLORDANE	R	<W	<W	<W							2	700	
53 (PST) ng/L	T	<W	LA	<W							ng/L	ng/L	***
54 DIELDRIN	R	<W	<W	<W							2	700	
54 (PST) ng/L	T	<W	LA	<W							ng/L	ng/L	**
55 METHOXYCHLOR	R	<W	<W	<W							5	100000	
55 (PST) ng/L	T	<W	LA	<W							ng/L	ng/L	

SARNIA WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 15	DEC 2	DEC 10	JAN 6						
56 ENDRIN		R	<W	<W	<W						4	200
56 (PST)	ng/L	T	<W	LA	<W						ng/L	ng/L
57 THIODAN SULPHATE		R	<W	<W	<W						4	
57 (PST)	ng/L	T	<W	LA	<W						ng/L	
58 THIODAN I		R	<W	<W	<W						2	74000
58 (PST)	ng/L	T	<W	LA	<W						ng/L	ng/L ea
59 THIODAN II		R	<W	<W	<W						4	74000
59 (PST)	ng/L	T	<W	LA	<W						ng/L	ng/L ea
60 METHYLPARATHION		R	+								50	7000
60 (SPC)		T	+								ng/L	ng/L
61 PARATHION		R	+								50	35000
61 (SPC)		T	+								ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R	<W	<W	<W						1	3000 +++
62 (PST)	ng/L	T	<W	LA	<W						ng/L	ng/L
63 HEPTACHLOR		R	<W	<W	<W						1	3000
63 (PST)	ng/L	T	<W	LA	<W						ng/L	ng/L +++
64 MIREX		R	<W	<W	<W						5	
64 (PST)	ng/L	T	<W	LA	<W						ng/L	
65 OXYCHLORDANE		R	<W	<W	<W						2	
65 (PST)	ng/L	T	<W	LA	<W						ng/L	
66 O,P,-DDT		R	<W	<W	<W						5	30000
66 (PST)	ng/L	T	<W	LA	<W						ng/L	ng/L d

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SARNIA WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 15	DEC 2	DEC 10	JAN 6						
78 SENCOR		R +									100	
78 (SPC)	ng/L	T +									ng/L	
79 SIMAZINE		R +									50	
79 (SPC)	ng/L	T +									ng/L	
80 DICAMBA		R +									100	
80 (SPC)	ng/L	T +									ng/L	
81 PICLORAM		R +									100	
81 (SPC)	ng/L	T +									ng/L	
82 SILVEX		R +									50	10000
82 (SPC)	ng/L	T +									ng/L	ng/L
83 2,4-D		R +									100	100000
83 (SPC)	ng/L	T +									ng/L	ng/L
84 2,4-D BUTYRIC ACID		R +									200	
84 (SPC)	ng/L	T +									ng/L	
85 2,4-D PROPIONIC ACID		R +									100	
85 (SPC)	ng/L	T +									ng/L	
86 2,4,5-T		R +									50	
86 (SPC)	ng/L	T +									ng/L	
87 TOTAL SOLIDS		R 137	137								1	
87 (LAB)	mg/L	T 140	140								mg/L	
88 SELENIUM		R <W	<W	<W	<W						0.001	0.01
88 (MET)	mg/L	T <W	<W	<W	<W						mg/L	mg/L

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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 15	DEC 2	DEC 10	JAN 6						
100 CHLOROFORM	R	<W	<W	<W							1	350
100 (VOL) ug/L	T	29	16	22							ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	<W	<W							5	40
101 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	<W	<W							1	
102 (VOL) ug/L	T	<W	<W	<W							ug/L	
103 DICHLOROETHANE	R	<W	<W	<W							1	
103 (VOL) ug/L	T	<W	<W	<W							ug/L	
104 1,2-DICHLOROETHANE	R	<W	<W	<W							1	10
104 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	<W	<W	<W							1	3
105 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	<W	<W							1	6
106 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	<W	<W							1	30
107 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	<W	<W	<W							1	350
108 (VOL) ug/L	T	11	8	10							ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	<W	<W							1	6
109 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	<W	<W	<W							1	350
110 (VOL) ug/L	T	10	8	11							ug/L	ug/L ++

SARNIA WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS		DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		NOV 15	DEC 2	DEC 10	JAN 6							
111 TETRACHLOROETHYLENE	R	<W	<W	<W							1	10
111 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L h
112 BROMOFORM	R	<W	<W	<W							1	350
112 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	<W	<W							1	1.7
113 (VOL) ug/L	T	<W	<W	<W							ug/L	ug/L e
114 HEXACHLOROBENZENE	R	<W	<W	<W							1	10
114 (PST) ng/L	T	<W	LA	<W							ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	<W	<W							1	19000
115 (CHA) ng/L	T	2<T	LA	<W							ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	<W	<W							1	
116 (CHA) ng/L	T	<W	LA	<W							ng/L	
117 PENTACHLOROBENZENE	R	<W	<W	<W							1	74000
117 (CHA) ng/L	T	<W	LA	<W							ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	<W	<W	<W							3	350
118 (VOL) ug/L	T	50	32	43							ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	<W	<W							5	
119 (CHA) ng/L	T	9<T	LA	<W							ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	<W	<W							5	10000
120 (CHA) ng/L	T	<W	LA	<W							ng/L	ng/L g
121 2,6-A-TRICHLOROTOLUENE	R	<W	<W	<W							5	
121 (CHA) ng/L	T	<W	LA	<W							ng/L	

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SARNIA WATER TREATMENT PLANT  
1985-1986 DWSP DATA

PAGE 14

PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 15	DEC 2	DEC 10	JAN 6						
144 PENTACHLOROBUTADIENE	R	NS	NS	<W							0.1	
144 (MS) ug/L	T	NS	NS	<W							ug/L	
145 N-DICHLOROMETHYLENE-	R	NS	NS	<W							0.1	
145 PENTACHLOROANILINE											ug/L	
145 (MS) ug/L	T	NS	NS	<W								
146 FLUORANTHENE	R	NS	NS	<W							0.1	
146 (MS) ug/L	T	NS	NS	<W							ug/L	
147 NAPHTHALENE	R	NS	NS	<W							0.1	
147 (MS) ug/L	T	NS	NS	<W							ug/L	
148 METHYL PHENANTHRENE	R	NS	NS	<W							0.1	
148 (MS) ug/L	T	NS	NS	<W							ug/L	
149 PYRENE	R	NS	NS	<W							0.1	
149 (MS) ug/L	T	NS	NS	<W							ug/L	
150 DIPHENYL ETHER	R	NS	NS	<W							0.1	
150 (MS) ug/L	T	NS	NS	<W							ug/L	
151 DI-N-BUTYL PHTHALATE	R	NS	NS	<W							0.1	
151 (MS) ug/L	T	NS	NS	<W							ug/L	
152 CL BIPHENYL	R	NS	NS	<W							0.1	
152 (MS) ug/L	T	NS	NS	<W							ug/L	
153 ATRAZINE	R	NS	NS	<W							0.1	
153 (MS) ug/L	T	NS	NS	<W							ug/L	

SARNIA WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS	D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
	NOV 15	DEC 2	DEC 10	JAN 6								
154 CARBON TETRACHLORIDE	R NS	NS	<W								0.1	
154 (MS) ug/L	T NS	NS	X<T								ug/L	
155 DIBROMOCHLOROMETHANE	R NS	NS	<W								0.1	
155 (MS) ug/L	T NS	NS	X<T								ug/L	
156 TETRACHLOROETHYLENE	R NS	NS	X<T								0.1	
156 (MS) ug/L	T NS	NS	X<T								ug/L	
157 BIPHENYL	R NS	NS	<W								0.1	
157 (MS) ug/L	T NS	NS	<W								ug/L	
158 BROMOFORM	R NS	NS	<W								0.1	
158 (MS) ug/L	T NS	NS	<W								ug/L	

LAB - Chemistry (LAB)  
FLD - Chemistry (FIELD)  
BAC - Bacteriological  
MS - Mass Spec. Ana.

MET - Metal  
VOL - Volatiles  
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics  
CHP - Chlorophenols  
SPC - Specific Pesticides

TABLE A

STONEY POINT WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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Updated: January 21, 1986

PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6			
1 ALKALINITY		R	105	91.8	86.6	83.4	91.8	84.2	128.0				0.2	
1 (LAB)	mg/L	T	85.4	72.8	68.4	69.8	71.6	72.4	102.0				mg/L	
2 ALUMINUM		R	2.1	0.033	0.25	0.14	0.45	0.220	2.100	1.300	0.061		0.003	
2 (MET)	mg/L	T	0.075	0.047	0.048	0.067	<W	0.045	0.150	0.130	0.180		mg/L	
3 ARSENIC		R	<W	<W	<W	<W	<W	<W	0.001	<W	<W		0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L
4 BARIUM		R	0.027	0.017	0.017	0.017	0.018	0.018	0.027	0.018	0.013		0.001	1
4 (MET)	mg/L	T	0.013	0.015	0.017	0.013	0.007	0.016	0.015	0.013	0.016		mg/L	mg/L
5 BORON		R	0.05	0.31	0.06	<W	<W	0.02	0.03	0.04	0.04		0.02	5
5 (MET)	mg/L	T	<W	0.28	0.09	<W	<W	<W	0.04	0.08	0.04		mg/L	mg/L
6 BERYLLIUM		R	<W	<W	<W	<W	<W	<W	<W	<W	<W		0.001	
6 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	
7 BENZENE		R	<W	<W	<W	<W	<W	<W	<W				1	10
7 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
8 TOLUENE		R	<W	<W	<W	<W	<W	<W	<W				1	14300
8 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
9 ETHYLBENZENE		R	<W	<W	<W	<W	<W	<W	<W				1	1400
9 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
10 P-XYLENE		R	<W	<W	<W	<W	<W	<W	<W				1	620
10 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
11 M-XYLENE		R	<W	<W	<W	<W	<W	<W	<W				1	620
11 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L c

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PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJECTIVE GUIDELINE
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6			
12 O-XYLENE		R	<W	<W	<W	<W	<W	<W	<W				1 ug/L	620
12 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W					ug/L
13 CALCIUM		R	35.0	26.0	27.8	35.0	31.0	28.5	49.0				0.1 mg/L	
13 (LAB)	mg/L	T	36.5	27.0	29.2	31.2	32.0	29.5	50.2					
14 CYANIDE		R	<W	<W	<W	<W	<W	<W	<W	<W	<W		0.001	0.2
14 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L
15 CADMIUM		R	<W	<W	<W	<W	<W	<W	<W	<W	<W		0.0003	0.005
15 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L
16 CHLORIDE		R	12.8	7.8	9.0	16.8	9.6	8.0	14.4				0.2	250
16 (LAB)	mg/L	T	14.2	10.8	17.6	13.6	12.2	10.8	16.4				mg/L	mg/L
17 COLOUR	TCU	R	7.0	6.5	4.5	9.0	13.0	10.0	32.5				0.5	5
17 (LAB)		T	1.0<T	1.0<T	0.5<T	0.5<T	<W	0.5<T	2.0				TCU	TCU
18 CONDUCTIVITY		R	279	242	243	307	248	229	363				0.01	
18 (LAB)	umho/cm	T	294	256	266	263	259	243	385				UMHO/CM	
19 COBALT		R	0.01	0.017	<W	<W	<W	<W	0.003	0.002	<W		0.001	
19 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	
20 CHROMIUM		R	0.003	0.001	<W	0.002	<W	0.001	0.006	0.003	0.002		0.001	0.05
20 (MET)	mg/L	T	<W	<W	<W	0.002	<W	<W	0.002	0.001	0.002		mg/L	mg/L
21 COPPER		R	0.009	0.014	0.003	0.004	0.014	0.019	0.010	0.009	0.006		0.001	1
21 (MET)	mg/L	T	<W	0.002	0.003	0.004	<W	0.002	0.004	0.004	0.009		mg/L	mg/L
22 F. COLIFORM MF		R	4	0	0	1	1	8	12	21	0		0	0/0.1L
22 (BAC)	count/100mL	T	NA	NA	NA	NA	NA	NA	NA	NA	NA			mL



STONEY POINT WATER TREATMENT PLANT  
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PARAMETERS			D A T E								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>	
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17			JAN 6
23 IRON		R	!AD	0.04	0.28	0.19	0.53	0.35	2.100	0.960	0.006	0.002 mg/L	0.3 mg/L
23 (MET)	mg/L	T	<W	0.012	0.004	<W	0.005	0.007	0.034	0.015	0.180		
24 FLUORIDE		R	0.10	0.09	0.09	0.17	0.11	0.10	0.14			0.01 mg/L	2.4 mg/L
24 (LAB)	mg/L	T	0.08	0.07	0.07	0.08	0.07	0.08	0.08				
25 FIELD CHLORINE (COMBINED)		R	NA	NA	NA	NA	NA	NA	NA	NA			
25 (FLD)		T	.10	1.30	1.70	1.50	NS	0.15	1.20	NS			
26 FIELD CHLORINE (FREE)		R	NA	NA	NA	NA	NA	NA	NA	NA			
26 (FLD)		T	0.40	0.20	1.50	1.35	1.50	1.5	1.50	NS			
27 FIELD CHLORINE (TOTAL)		R	NA	NA	NA	NA	NA	NA	NA	NA			
27 (FLD)		T	0.50	1.50	3.20	2.85	NS	1.65	2.70	>1.00			
28 FIELD PH		R	NS	NS	7.80	7.65	7.80	7.65	7.80	7.90			
28 (FLD)		T	NS	NS	7.40	7.40	7.30	7.40	7.40	7.40			
29 FIELD TEMPERATURE		R	18.5	20.5	21.0	21.5	37.5	12.0	4.0	1.0			
29 (FLD)		T	18.5	20.5	21.0	21.5	37.5	11.5	4.0	2.0			
30 FIELD TURBIDITY		R	42	14	NS	38	30	18	NS	NS			1 FTU
30 (FLD)		T	3.0	0.10	0	0.10	0	0	0.04	NS			
31 HARDNESS		R	124	97.0	102	128	110	102	166			0.5 mg/L	
31 (LAB)	mg/L	T	128	99.5	108	112	112	105	169				
32 STANDARD PLATE COUNT MF		R	650	1600	>2400	>2400	350	940	>2400	460	143	0	500 orga- nisms per mL
32 (BAC)	count/mL	T	0	250	3	!AD	1	15	11	1	0		
33 MERCURY		R	<W	<W	0.01	0.06	0.04	0.05	0.02	0.01	0.05	0.01 ug/L	1 ug/L
33 (MET)	ug/L	T	<W	<W	0.03	0.03	0.04	0.04	<W	<W	0.05		

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PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>	
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6			
34 MAGNESIUM		R	8.9	7.8	7.8	9.8	7.9	7.5	10.7				0.05	
34 (LAB)	mg/L	T	8.9	7.8	8.4	8.3	7.9	7.7	10.6				mg/L	
35 MANGANESE		R	0.050	0.013	0.010	0.019	0.013	0.011	0.044	0.013	0.002		0.001	0.05
35 (MET)	mg/L	T	<W	<W	0.001	<W	<W	0.001	0.002	0.003	0.005		mg/L	mg/L
36 MOLYBDENUM		R	0.001	0.002	<W	0.002	<W	<W	0.001	0.001	<W		0.001	0.25
36 (MET)	mg/L	T	<W	0.001	0.001	0.002	<W	<W	0.002	0.001	<W		mg/L	mg/L
37 SODIUM		R	8.3	6.2	5.8	9.6	6.0	5.0	7.0				0.1	
37 (LAB)	mg/L	T	7.5	6.0	6.5	6.4	5.9	5.5	6.8				mg/L	
38 NICKEL		R	0.002	<W	<W	0.002	0.002	<W	0.005	0.003	<W		0.002	
38 (MET)	mg/L	T	<W	<W	<W	0.002	<W	<W	<W	<W	0.002		mg/L	
39 AMMONIUM TOTAL		R	0.10<T	<W	<W	0.20<T	<W	0.20<T	0.05<T				0.05	
39 (LAB)	mg/L	T	0.10<T	<W	<W	<W	<W	<W	<W				mg/L	
40 NITRITE		R	.005<T	.010<T	.010<T	.015<T	<W	.010<T	0.03<T				0.005	1 mg/L
40 (LAB)	mg/L	T	.005<T	<W	<W	<W	<W	<W	0.01<T				mg/L	as N
41 NITRATE		R	NR	NR	NR	NR	0.5	0.2<T	2.70				0.05	10 mg/L
41 (LAB)	mg/L	T	NR	NR	NR	NR	0.4	NR	2.65				mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	0.5<T	0.4<T	0.3<T	0.6<T	0.3<T	0.2<T	0.75				0.1	0.15
42 (LAB)	mg/L	T	0.2<T	0.2<T	<W	0.2<T	0.1<T	0.1<T	0.3<T				mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NA	NA	NA	NA	NA	NA	NA	NA	NA		0	Absent
43 (BAC)		T	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT			
44 LEAD	mg/L	R	<W	<W	<W	<W	0.004	<W	0.005	0.004	<W		0.003	0.05
44 (MET)		T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L

STONEY POINT WATER TREATMENT PLANT  
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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6			
45 PH	R	8.12	8.21	8.29	8.18	8.21	8.09	8.18					
45 (LAB)	T	7.40	7.50	7.15	7.40	7.18	7.71	7.13					
46 PHOSPHORUS FILTERED REACTIVE	R	NR	<W	<W	<W	<W	<W	0.02<T				0.01	
46 (LAB) mg/L	T	NR	<W	<W	<W	<W	<W	0.04<T				mg/L	
47 PHOSPHORUS TOTAL	R	0.06<T	0.04<T	0.02<T	<W	<W	0.02<T	0.160				0.01	
47 (LAB) mg/L	T	0.10<T	<W	<W	0.04<T	<W	<W	<W				mg/L	
48 ALDRIN	R	<W	<W	<W	<W	<W	<W	<W	<W			1	700
48 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L **
49 ALPHA BHC	R	<W	<W	<W	<W	2<T	<W	2<T	<W			1	700
49 (PST) ng/L	T	<W	<W	<W	<W	3<T	4<T	2<T	3<T			ng/L	ng/L c
50 BETA BHC	R	<W	<W	<W	<W	<W	<W	<W	<W			1	300
50 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L c
51 LINDANE	R	<W	<W	<W	<W	<W	2<T	<W	<W			1	4000
51 (PST) ng/L	T	<W	<W	<W	<W	<W	2<T	<W	<W			ng/L	ng/L
52 ALPHA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W	<W			2	700
52 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L ***
53 GAMMA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W	<W			2	700
53 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L ***
54 DIELDRIN	R	<W	<W	<W	<W	<W	<W	<W	<W			2	700
54 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L **
55 METHOXYCHLOR	R	<W	<W	<W	<W	<W	<W	<W	<W			5	100000
55 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L

STONEY POINT WATER TREATMENT PLANT  
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PARAMETERS		D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6			
56 ENDRIN		R <W	<W	<W	<W	<W	<W	<W	<W			4	200
56 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L
57 THIODAN SULPHATE		R <W	<W	<W	<W	<W	<W	<W	<W			4	
57 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	<W	<W			ng/L	
58 THIODAN I		R <W	<W	<W	<W	<W	<W	<W	<W			2	74000
58 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L ea
59 THIODAN II		R <W	<W	<W	<W	<W	<W	<W	<W			4	74000
59 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L ea
60 METHYLPARATHION		R +	+	+	+	+	+					50	7000
60 (SPC)		T +	+	+	+	+	+					ng/L	ng/L
61 PARATHION		R +	+	+	+	+	+					50	35000
61 (SPC)		T +	+	+	+	+	+					ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R <W	<W	<W	2<T	<W	<W	<W	<W			1	3000 +++
62 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L
63 HEPTACHLOR		R <W	<W	<W	<W	<W	<W	<W	<W			1	3000
63 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L +++
64 MIREX		R <W	<W	<W	<W	<W	<W	<W	<W			5	
64 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	<W	<W			ng/L	
65 OXYCHLORDANE		R <W	<W	<W	<W	<W	<W	<W	<W			2	
65 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	<W	<W			ng/L	
66 O, P, -DDT		R <W	<W	<W	<W	<W	<W	<W	<W			5	30000
66 (PST)	ng/L	T <W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L d

STONEY POINT WATER TREATMENT PLANT  
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PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6			
67 PCB		R	<W	<W	<W	<W	<W	<W	<W	<W			20	3000
67 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L t
68 P,P-DDD		R	<W	<W	<W	<W	<W	<W	<W	<W			5	d
68 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
69 P,P-DDE		R	<W	<W	<W	<W	<W	<W	<W	<W			1	d
69 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
70 P,P-DDT		R	<W	<W	<W	<W	<W	<W	<W	<W			5	d
70 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
71 AMETRINE		R	+	<W	+	+	+	<W					50	
71 (SPC)	ng/L	T	+	LA	+	+	+	<W					ng/L	
72 ATRAZINE		R	+	<W	+	+	+	<W					50	
72 (SPC)	ng/L	T	+	LA	+	+	+	<W					ng/L	
73 DIAZINON		R	+	+	+	+	+	NS					50	14000
73 (SPC)	ng/L	T	+	+	+	+	+	NS					ng/L	ng/L
74 BLADEX		R	+	<W	+	+	+	<W					100	
74 (SPC)	ng/L	T	+	LA	+	+	+	<W					ng/L	
75 PROMETONE		R	+	<W	+	+	+	<W					50	
75 (SPC)	ng/L	T	+	LA	+	+	+	<W					ng/L	
76 PROPAZINE		R	+	<W	+	+	+	<W					50	
76 (SPC)	ng/L	T	+	LA	+	+	+	<W					ng/L	
77 PROMETRYNE		R	+	<W	+	+	+	<W					50	
77 (SPC)	ng/L	T	+	LA	+	+	+	<W					ng/L	

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PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ/GUIDELINE <sup>1</sup>
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6		
78 SENCOR		R +	<W	+	+	+	<W					100	
78 (SPC)	ng/L	T +	LA	+	+	+	<W					ng/L	
79 SIMAZINE		R +	<W	+	+	+	<W					50	
79 (SPC)	ng/L	T +	LA	+	+	+	<W					ng/L	
80 DICAMBA		R +	<W	+	+	+	<W					100	
80 (SPC)	ng/L	T +	<W	+	+	+	<W					ng/L	
81 PICLORAM		R +	<W	+	+	+	<W					100	
81 (SPC)	ng/L	T +	<W	+	+	+	<W					ng/L	
82 SILVEX		R +	<W	+	+	+	<W					50	10000
82 (SPC)	ng/L	T +	<W	+	+	+	<W					ng/L	ng/L
83 2,4-D		R +	<W	+	+	+	<W					100	100000
83 (SPC)	ng/L	T +	<W	+	+	+	<W					ng/L	ng/L
84 2,4-D BUTYRIC ACID		R +	<W	+	+	+	<W					200	
84 (SPC)	ng/L	T +	<W	+	+	+	<W					ng/L	
85 2,4-D PROPIONIC ACID		R +	<W	+	+	+	<W					100	
85 (SPC)	ng/L	T +	<W	+	+	+	<W					ng/L	
86 2,4,5-T		R +	<W	+	+	+	<W					50	
86 (SPC)	ng/L	T +	<W	+	+	+	<W					ng/L	
87 TOTAL SOLIDS		R 230	164	158	219	165	149	313				1	
87 (LAB)	mg/L	T 191	160	173	171	168	190	250				mg/L	
88 SELENIUM		R <W	<W	<W	<W	<W	<W	<W	<W	<W		0.001	0.01
88 (MET)	mg/L	T <W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L

STONE POINT WATER TREATMENT PLANT  
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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6			
89 STRONTIUM	R	0.13	0.12	0.13	0.19	0.18	0.12	0.160	0.120	0.130		0.001	
89 (MET) mg/L	T	0.11	0.11	0.15	0.12	0.06	0.12	0.150	0.110	0.140		mg/L	
90 TOTAL COLIFORM MF	R	!OP	!OP	2	1000	!OP	400	1000	900	4 A3C		0	ODWO
90 (BAC) count/100mL	T	0	0	0	1	0	0	0	0	0			Bacti
91 TOTAL COLIFORM BACKGROUND MF	R	35000	50000	1800	26000	27500	12000	15500	3700	510		0	OWDO
91 (BAC) count/100mL	T	0	0	0	5	0	2	0	0	1			Bacti
92 TURBIDITY	R	34	14.4	9.3	16.3	15.4	12.0	96.0				0.01	1
92 (LAB) FTU	T	0.34<T	0.25<T	0.81<T	0.34<T	0.47<T	0.42<T	1.36				FTU	FTU
93 URANIUM	R	<W	<W	<W	<W	<W	<W	<W	<W	<W		0.002	.02
93 (MET) mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L t
94 VANADIUM	R	0.004	0.001	0.001	0.001	0.001	0.001	0.005	0.002	<W		0.001	
94 (MET) mg/L	T	<W	<W	<W	<W	<W	<W	0.001	<W	<W		mg/L	
95 HEXACHLOROBUTADIENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	4500
95 (CHA) ng/L	T	<W	<W	<W	<W	<W	2<T	<W	3<T			ng/L	ng/L e
96 1,1-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W				1	.3
96 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
97 METHYLENE CHLORIDE	R	<W	<W	<W	<W	<W	<W					5	40
97 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	ug/L c
98 T,1,2-DICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W				1	
98 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	
99 1,1-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W					1	
99 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W					ug/L	

STONEY POINT WATER TREATMENT PLANT  
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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6			
100 CHLOROFORM	R	<W	<W	<W	<W	<W	<W	<W				1	350
100 (VOL) ug/L	T	17	38	66	54	39	47	57				ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	<W	<W	<W	<W	<W	<W				5	40
101 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	
102 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	
103 DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	
103 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	
104 1,2-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	10
104 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	<W	<W	<W	<W	<W	<W	<W				1	3
105 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	<W	<W	<W	<W	<W	<W				1	6
106 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W				1	30
107 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	350
108 (VOL) ug/L	T	10	14	18	18	15	15	12				ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	6
109 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	350
110 (VOL) ug/L	T	4	5	16	14	12	10	5				ug/L	ug/L ++



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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6			
111 TETRACHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W				1	10
111 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
112 BROMOFORM	R	<W	<W	<W	<W	<W	<W	<W				1	350
112 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W				1	1.7
113 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
114 HEXACHLOROBENZENE	R	<W	<W	<W	3<T	<W	<W	<W	<W			1	10
114 (PST) ng/L	T	<W	<W	<W	3<T	<W	<W	<W	<W			ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	19000
115 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	
116 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	
117 PENTACHLOROBENZENE	R	<W	<W	<W	2<T	<W	<W	<W	<W			1	74000
117 (CHA) ng/L	T	<W	<W	<W	6<T	<W	3<T	<W	3<T			ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	<W	<W	<W	<W	<W	<W	<W				3	350
118 (VOL) ug/L	T	31	57	100	86	66	72	74				ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W			5	
119 (CHA) ng/L	T	<W	<W	<W	<W	<W	39<T	<W	7<T			ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W			5	10000
120 (CHA) ng/L	T	<W	<W	<W	20<T	23<T	<W	<W	<W			ng/L	ng/L g
121 2,6,A-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W			5	
121 (CHA) mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	

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PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6		
122 CHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	100-300
122 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ng/L	ng/L h*
123 1,4-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	400
123 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
124 1,3-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	400
124 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
125 1,2-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	400
125 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W			1	
126 (CHA) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	
127 1,2,3-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W		5	10000
127 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	9<T	15<T		ng/L	ng/L y
128 1,2,3,4-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W		1	38000
128 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L e
129 1,2,3,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W		1	
129 (CHA) ng/L	T	<W	<W	<W	<W	25	<W	<W	<W	<W		ng/L	
130 1,2,4-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W		5	15000
130 (CHA) ng/L	T	<W	<W	<W	39<T	<W	<W	<W	<W	<W		ng/L	ng/L y
131 1,2,4,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W		1	38000
131 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	3<T	<W	<W		ng/L	ng/L e
132 1,3,5-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W		5	10000
132 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		ng/L	ng/L y

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PARAMETERS		DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6		
133 PENTACHLOROPHENOL	R +	<W	+	+	+	+	<W				50	10000
133 (CHP) ng/L	T +	<W	+	+	+	+	<W				ng/L	ng/L h
134 2,3,4-TRICHLOROPHENOL	R +	<W	+	+	+	+	<W				100	
134 (CHP) ng/L	T +	<W	+	+	+	+	<W				ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R +	<W	+	+	+	+	<W				50	
135 (CHP) ng/L	T +	<W	+	+	+	+	<W				ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R +	<W	+	+	+	+	<W				50	
136 (CHP) ng/L	T +	<W	+	+	+	+	<W				ng/L	
137 2,4,5-TRICHLOROPHENOL	R +	<W	+	+	+	+	<W				50	
137 (CHP) ng/L	T +	<W	+	+	+	+	<W				ng/L	
138 2,4,6-TRICHLOROPHENOL	R +	<W	+	+	+	+	<W				50	10000
138 (CHP) ng/L	T +	<W	+	+	+	+	<W				ng/L	ng/L h
139 ZINC	R 0.018	0.009	0.004	0.006	0.008	0.009	0.015	0.009	0.004		0.001	5
139 (MET) mg/L	T 0.002	0.003	0.004	0.005	0.002	0.005	0.003	0.003	0.005		mg/L	mg/L h
140 PENTACHLOROPROPANE	R NS	NS	NS	NS	NS	NS	NS	NS			0.1	
140 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	NS			ug/L	
141 PENTACHLOROPROPENE	R NS	NS	NS	NS	NS	NS	NS	NS			0.1	
141 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	NS			ug/L	
142 HEXACHLOROPROPENE	R NS	NS	NS	NS	NS	NS	NS	NS			0.1	
142 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	NS			ug/L	
143 TETRACHLOROBUTANE	R NS	NS	NS	NS	NS	NS	NS	NS			0.1	
143 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	NS			ug/L	

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6			
144 PENTACHLOROBUTADIENE	R	NS	NS	NS	NS	NS	NS	NS				0.1	
144 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS				ug/L	
145 N-DICHLOROMETHYLENE-	R	NS	NS	NS	NS	NS	NS	NS				0.1	
145 PENTACHLOROANILINE													
145 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS				ug/L	
146 FLUORANTHENE	R	NS	NS	NS	NS	NS	NS	NS				0.1	
146 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS				ug/L	
147 NAPHTHALENE	R	NS	NS	NS	NS	NS	NS	NS				0.1	
147 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS				ug/L	
148 METHYL PHENANTHRENE	R	NS	NS	NS	NS	NS	NS	NS				0.1	
148 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS				ug/L	
149 PYRENE	R	NS	NS	NS	NS	NS	NS	NS				0.1	
149 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS				ug/L	
150 DIPHENYL ETHER	R	NS	NS	NS	NS	NS	NS	NS				0.1	
150 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS				ug/L	
151 DI-N-BUTYL PHTHALATE	R	NS	NS	NS	NS	NS	NS	NS				0.1	
151 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS				ug/L	
152 CL BIPHENYL	R	NS	NS	NS	NS	NS	NS	NS				0.1	
152 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS				ug/L	
153 ATRAZINE	R	NS	NS	NS	NS	NS	NS	NS				0.1	
153 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS				ug/L	

STONEY POINT WATER TREATMENT PLANT  
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PARAMETERS	DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		JUN 6	JUL 2	AUG 6	SEP 3	OCT 8	NOV 4	DEC 2	DEC 17	JAN 6		
154 CARBON TETRACHLORIDE	R	NS	NS	NS	NS	NS	NS	NS			0.1	
154 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS			ug/L	
155 DIBROMOCHLOROMETHANE	R	NS	NS	NS	NS	NS	NS	NS			0.1	
155 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS			ug/L	
156 TETRACHLOROETHYLENE	R	NS	NS	NS	NS	NS	NS	NS			0.1	
156 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS			ug/L	
157 BIPHENYL	R	NS	NS	NS	NS	NS	NS	NS			0.1	
157 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS			ug/L	
158 BROMOFORM	R	NS	NS	NS	NS	NS	NS	NS			0.1	
158 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS			ug/L	

LAB - Chemistry (LAB)  
FLD - Chemistry (FIELD)  
BAC - Bacteriological  
MS - Mass Spec. Ana.

MET - Metal  
VOL - Volatiles  
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics  
CHP - Chlorophenols  
SPC - Specific Pesticides

TABLE A

WALLACEBURG WATER TREATMENT PLANT  
1985 DWSP DATA

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Updated: January 21, 1986

PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2	DEC 10	
1 ALKALINITY		R	82.0	83.6	81.6	UR	82.0	134.6	94.4	80.6	170.6	0.2	
1 (LAB)	mg/L	T	72.6	74.2	73.6	76.4	71.2	NR	71.4	72.0	105.4	mg/L	
2 ALUMINUM		R	0.130	0.34	0.110	0.048	0.062	1.30	NR	0.056	2.300	0.003	
2 (MET)	mg/L	T	0.059	0.13	0.098	0.180	0.046	0.019	NR	0.026	0.210	0.034	mg/L
3 ARSENIC		R	<W	<W	<W	<W	<W	<W	<W	<W	0.001	<W	0.001
3 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	mg/L
4 BARIUM		R	0.013	0.015	0.014	0.011	0.013	0.038	NR	0.012	0.037	0.011	0.001
4 (MET)	mg/L	T	0.009	0.013	0.014	0.010	0.013	0.027	NR	0.014	0.020	0.014	mg/L
5 BORON		R	0.14	0.36	<0.02	.03UPR	0.03	<W	NR	0.06	0.05	<W	0.02
5 (MET)	mg/L	T	0.05	0.29	<0.02	.04UPR	0.08	<W	NR	0.07	0.07	0.04	mg/L
6 BERYLLIUM		R	<W	<W	<W	<W	<W	<W	NR	<W	<W	<W	0.001
6 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	NR	<W	<W	<W	mg/L
7 BENZENE		R	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	1
7 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L
8 TOLUENE		R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1
8 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L
9 ETHYLBENZENE		R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1
9 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L
10 P-XYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1
10 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L
11 M-XYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1
11 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L

WALLACEBURG WATER TREATMENT PLANT  
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[illegible]

PAGE 2

PARAMETERS			D A T E										DETECTION LIMIT	DRINKING WATER OBJ. GUIDELINE
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2	DEC 10		
12 O-XYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1 ug/L	620
12 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W		ug/L
13 CALCIUM		R	26.0	22.0	25.5	UR	27.0	58.0	35.0	27.5	78.0		0.1 mg/L	
13 (LAB)	mg/L	T	27.0	23.0	26.0	26.2	27.0	!NR	38.2	28.0	57.0			
14 CYANIDE		R	<W	<W	<W	<W	<W	<W	NR	<W	<W	<W	0.001	0.2
14 (MET)	mg/L	T	<W	<W	<W	<W	<W	!NR	NR	<W	<W	<W	mg/L	mg/L
15 CADMIUM		R	<W	<W	<W	<W	<W	<W	NR	<W	0.0003	<W	0.0003	0.005
15 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	NR	<W	<W	<W	mg/L	mg/L
16 CHLORIDE		R	8.8	6.6	8.8	UR	8.8	30.8	11.8	8.8	23.2		0.2	250
16 (LAB)	mg/L	T	10.2	9.4	13	8.8	10.6	!NR	15.4	11.0	21.0		mg/L	mg/L
17 COLOUR	TCU	R	4	3	5	UR	2	47.0	56.0	3.0	56.0		0.5	5
17 (LAB)		T	1.0<T	0.5<T	<W	5	<W	!NR	3.0	<W	7.5		TCU	TCU
18 CONDUCTIVITY		R	221	220	225	UR	221	469	282	227	536		0.01	
18 (LAB)	umho/cm	T	230	227	239	228	232	NR	311	233	440		UMHO/CM	
19 COBALT		R	<W	0.019	<W	<W	<W	0.002	NR	<W	0.003	<W	0.001	
19 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	NR	<W	<W	<W	mg/L	
20 CHROMIUM		R	<W	0.001	<W	0.002	<W	0.001	NR	0.001	0.009	0.001	0.001	0.05
20 (MET)	mg/L	T	<W	<W	<W	0.002	<W	<W	NR	0.001	0.003	0.001	mg/L	mg/L
21 COPPER		R	0.002	0.002	0.002	0.013	0.002	0.004	NR	0.002	0.016	0.004	0.001	1
21 (MET)	mg/L	T	<W	0.018	0.008	0.049	0.039	0.063	NR	<W	0.005	0.002	mg/L	mg/L
22 F. COLIFORM MF		R	LA	18500	1100	1700	2000	103	NR	111	TN	104	0	0/0.1L
22 (BAC)	count/100mL	T	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		mL



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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			DEC 16	DEC 23	JAN 6							
12 O-XYLENE		R		<W							1 ug/L	620
12 (VOL)	ug/L	T		<W								ug/L c
13 CALCIUM		R		27.0							0.1 mg/L	
13 (LAB)	mg/L	T		27.0								
14 CYANIDE		R	<W	<W	<W						0.001	0.2
14 (MET)	mg/L	T	<W	<W	<W						mg/L	mg/L
15 CADMIUM		R	<W	<W	<W						0.0003	0.005
15 (MET)	mg/L	T	<W	<W	<W						mg/L	mg/L
16 CHLORIDE		R		10.4							0.2	250
16 (LAB)	mg/L	T		10.8							mg/L	mg/L
17 COLOUR	TCU	R		5.0							0.5	5
17 (LAB)		T		<W							TCU	TCU
18 CONDUCTIVITY		R		223.00							0.01	
18 (LAB)	umho/cm	T		233.00							UMHO/CM	
19 COBALT		R	<W	<W	<W						0.001	
19 (MET)	mg/L	T	<W	<W	<W						mg/L	
20 CHROMIUM		R	0.001	<W	0.001						0.001	0.05
20 (MET)	mg/L	T	0.001	<W	0.001						mg/L	mg/L
21 COPPER		R	0.006	0.011	0.004						0.001	1
21 (MET)	mg/L	T	0.005	0.001	0.002						mg/L	mg/L
22 F. COLIFORM MF		R	143		62						0	0/0.1L
22 (BAC) count/100mL		T	NA		NA							mL

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PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ. GUIDELINE <sup>1</sup>	
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2			DEC 10
23 IRON		R	0.33	0.45	0.17	0.14	0.12	1.2	NR	0.082	2.100	0.071	0.002 mg/L	0.3 mg/L
23 (MET)	mg/L	T	<W	0.049	0.003	0.023	0.002	0.04	NR	<W	0.053	<W		
24 FLUORIDE		R	0.1	0.07	0.07	UR	0.08	0.16	0.12	0.08	0.16		0.01 mg/L	2.4 mg/L
24 (LAB)	mg/L	T	0.87	0.05	0.35	0.32	1.2	NR	0.10	0.08	0.07			
25 FIELD CHLORINE (COMBINED)		R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
25 (FLD)		T	0.20	0.10	>0.005	NS	NS	0.2	NS	0.1	0.10	0.20		
26 FIELD CHLORINE (FREE)		R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
26 (FLD)		T	0.80	0.80	0.95	1.00	1.00	0.8	NS	0.7	1.00	0.90		
27 FIELD CHLORINE (TOTAL)		R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA		
27 (FLD)		T	1.00	0.90	>1.00	>1.00	>1.00	1.0	NS	0.8	1.10	1.10		
28 FIELD PH		R	NS	7.40	7.80	7.80	7.80	7.6	NS	7.7	7.90	7.70		
28 (FLD)		T	NS	NS	7.30	7.40	7.20	7.0	NS	7.3	6.90	6.80		
29 FIELD TEMPERATURE		R	14.0	18.0	20.0	22.0	15.0	11.0	NS	NS	3.8	5.0		
29 (FLD)		T	14.0	18.0	20.0	21.0	16.0	12.0	NS	NS	5.5	6.0		
30 FIELD TURBIDITY		R	5.10	9.00	6.75	5.00	3.25	22.0	NS	2.4	147.00	2.40		1 FTU
30 (FLD)		T	0.25	0.80	1.00	0.30	0.20	1.0	NS	.18	1.75	0.25		
31 HARDNESS		R	95	85	93	UR	98	204	126	97.9	256.0		0.5 mg/L	
31 (LAB)	mg/L	T	98	87	95	95	97	NR	134	99.6	193.0			
32 STANDARD PLATE COUNT MF		R	AW	>2400	>2400	>2400	AW	OP	NR	760	>2400	800	0	500 orga- nisms per mL
32 (BAC)	count/mL	T	AW	14	2	AW	AW	22	NR	0	8	AW		
33 MERCURY		R	<W	<W	<W	<W	0.01	0.01	NR	0.01	0.01	<W	0.01 ug/L	1 ug/L
33 (MET)	ug/L	T	<W	<W	<W	<W	0.01	0.01	NR	0.01	0.01	<W		

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			DEC 16	DEC 23	JAN 6							
23 IRON		R	0.046	0.055	0.093						0.002	0.3
23 (MET)	mg/L	T	0.004	0.005	<W						mg/L	mg/L
24 FLUORIDE		R		0.08							0.01	2.4
24 (LAB)	mg/L	T		0.09							mg/L	mg/L
25 FIELD CHLORINE (COMBINED)		R	NA	NA	NA							
25 (FLD)		T	0.25	NS	NS							
26 FIELD CHLORINE (FREE)		R	NA	NA	NA							
26 (FLD)		T	0.75	1.00	NS							
27 FIELD CHLORINE (TOTAL)		R	NA	NA	NA							
27 (FLD)		T	1.00	1.00	NS							
28 FIELD PH		R	7.70	8.00	8.10							
28 (FLD)		T	7.10	7.40	NS							
29 FIELD TEMPERATURE		R	3.0	2.0	0.5							
29 (FLD)		T	6.0	3.0	NS							
30 FIELD TURBIDITY		R	3.00	2.50	2.00							1 FTU
30 (FLD)		T	0.25	0.15	NS							
31 HARDNESS		R		97.5							0.5	
31 (LAB)	mg/L	T		97.5							mg/L	
32 STANDARD PLATE COUNT MF		R	2100		1300						0	500 orga-
32 (BAC)	count/mL	T	0		0							nisms per
33 MERCURY		R	<W	<W	<W						0.01	1
33 (MET)	ug/L	T	<W	<W	<W						ug/L	ug/L

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PARAMETERS			D A T E									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>	
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2			DEC 10
34 MAGNESIUM		R	7.3	7.4	7.2	UR	7.5	14.5	9.25	7.10	15.00		0.05	
34 (LAB)	mg/L	T	7.3	7.2	7.3	7.3	7.3	!NR	9.40	7.20	12.30		mg/L	
35 MANGANESE		R	.008<T	0.012	0.005	0.004	0.004	0.026	NR	0.003	0.043	0.003	0.001	0.05
35 (MET)	mg/L	T	<W	0.001	<W	<W	<W	0.004	NR	<W	0.007	<W	mg/L	mg/L
36 MOLYBDENUM		R	<W	0.001	0.001	0.001	<W	0.001	NR	0.002	0.002	<W	0.001	0.25
36 (MET)	mg/L	T	<W	0.001	<W	0.001	<W	0.001	NR	0.002	0.002	0.001	mg/L	s
37 SODIUM		R	5.5	5.8	5.8	UR	6.2	13.5	6.5	5.5	9.4		0.1	
37 (LAB)	mg/L	T	6	5.8	6.8	4.8	7.2	!NR	7.0	6.0	8.5		mg/L	
38 NICKEL		R	<W	<W	<W	<W	<W	0.002	NR	<W	0.006	<W	0.002	
38 (MET)	mg/L	T	<W	<W	<W	<W	<W	0.002	NR	<W	0.002	<W	mg/L	
39 AMMONIUM TOTAL		R	0.10<T	<W	<W	UR	<W	<W	NR	<W	<W		0.05	
39 (LAB)	mg/L	T	0.10<T	<W	<W	<W	<W	!NR	NR	<W	<W		mg/L	
40 NITRITE		R	0.01<T	.015<T	0.01<T	UR	<W	0.095	0.03<T	0.01<T	0.120		0.005	1 mg/L
40 (LAB)	mg/L	T	<W	0.01<T	<W	<W	<W	!NR	<W	<W	0.10<T		mg/L	as N
41 NITRATE		R	-	-	-	-	0.20<T	2.9	1.37	.34	5.90		0.05	10 mg/L
41 (LAB)	mg/L	T	-	-	-	-	0.20<T	!NR	1.80	.35	3.30		mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	0.3<T	0.3<T	0.2<T	UR	<0.3<T	0.50	NR	0.30<T	1.00		0.1	0.15
42 (LAB)	mg/L	T	0.2<T	0.2<T	0.2<T	0.4<T	<W	!NR	NR	0.10<T	0.30<T		mg/L	*
43 PRESENCE/ABSENCE		R	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	0	Absent
43 (BAC)		T	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT	NR	ABSENT	ABSENT	ABSENT		
44 LEAD		R	<W	<W	<W	<W	<W	<W	NR	<W	0.007	<W	0.003	0.05
44 (MET)	mg/L	T	<W	<W	<W	<W	0.004	0.005	NR	<W	<W	<W	mg/L	mg/L

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			DEC 16	DEC 23	JAN 6							
34 MAGNESIUM		R		7.30							0.05	
34 (LAB)	mg/L	T		7.30							mg/L	
35 MANGANESE		R	0.003	0.002	0.004						0.001	0.05
35 (MET)	mg/L	T	<W	<W	<W						mg/L	mg/L
36 MOLYBDENUM		R	<W	<W	<W						0.001	0.25
36 (MET)	mg/L	T	0.001	<W	<W						mg/L	mg/L s
37 SODIUM		R		6.5							0.1	
37 (LAB)	mg/L	T		6.5							mg/L	
38 NICKEL		R	<W	<W	<W						0.002	
38 (MET)	mg/L	T	<W	<W	<W						mg/L	
39 AMMONIUM TOTAL		R		<W							0.05	
39 (LAB)	mg/L	T		<W							mg/L	
40 NITRITE		R		<W							0.005	1 mg/L
40 (LAB)	mg/L	T		<W							mg/L	as N
41 NITRATE		R		0.25<T							0.05	10 mg/L
41 (LAB)	mg/L	T		0.25<T							mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R		0.20<T							0.1	0.15
42 (LAB)	mg/L	T		<W							mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NA		NA						0	Absent
43 (BAC)		T	ABSENT		ABSENT							
44 LEAD		R	<W	<W	<W						0.003	0.05
44 (MET)	mg/L	T	<W	<W	<W						mg/L	mg/L

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2	DEC 10		
45 PH	R	8.31	8.25	8.35	UR	8.21	7.89	7.89	8.12	8.00			
45 (LAB)	T	7.48	7.68	7.51	7.72	7.43	!NR	7.10	7.68	7.08			
46 PHOSPHORUS FILTERED REACTIVE	R	AD	<W	<W	UR	<W	<W	NR	<W	<W		0.01	
46 (LAB) mg/L	T	AD	<W	<W	<W	<W	!NR	NR	<W	<W		mg/L	
47 PHOSPHORUS TOTAL	R	0.02<T	0.04<T	0.02<T	UR	<W	0.09<T	NR	<W	0.200		0.01	
47 (LAB) mg/L	T	0.02<T	0.02<T	<W	<W	<W	!NR	NR	<W	<W		mg/L	
48 ALDRIN	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	1	700
48 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	ng/L **
49 ALPHA BHC	R	<W	<W	<W	<W	3<T	2<T	2<T	LA	1<T	3<T	1	700
49 (PST) ng/L	T	<W	<W	<W	<W	5<T	2<T	NS	2<T	1<T	<W	ng/L	ng/L c
50 BETA BHC	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	1	300
50 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	2<T	<W	<W	ng/L	ng/L c
51 LINDANE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	1	4000
51 (PST) ng/L	T	<W	<W	<W	<W	2<T	1<T	NS	<W	<W	<W	ng/L	ng/L
52 ALPHA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	2	700
52 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	ng/L ***
53 GAMMA CHLORDANE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	2	700
53 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	ng/L ***
54 DIELDRIN	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	2	700
54 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	ng/L **
55 METHOXYCHLOR	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	5	100000
55 (PST) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	ng/L

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PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2		
56 ENDRIN		R	<W	<W	<W	<W	<W	<W	LA	<W	<W	4	200
56 (PST)	ng/L	T	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	ng/L
57 THIODAN SULPHATE		R	<W	<W	<W	<W	<W	<W	LA	<W	<W	4	
57 (PST)	ng/L	T	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	
58 THIODAN I		R	<W	<W	<W	<W	<W	<W	LA	<W	<W	2	74000
58 (PST)	ng/L	T	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	ng/L ea
59 THIODAN II		R	<W	<W	<W	<W	<W	<W	LA	<W	<W	4	74000
59 (PST)	ng/L	T	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	ng/L ea
60 METHYLPARATHION		R	-	-	-	-	-	+	+	+		50	7000
60 (SPC)		T	-	-	-	-	-	+	+	+		ng/L	ng/L
61 PARATHION		R	-	-	-	-	-	+	+	+		50	35000
61 (SPC)		T	-	-	-	-	-	+	+	+		ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R	<W	<W	<W	<W	<W	<W	LA	<W	<W	1	3000
62 (PST)	ng/L	T	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	ng/L +++
63 HEPTACHLOR		R	<W	<W	<W	<W	<W	<W	LA	<W	<W	1	3000
63 (PST)	ng/L	T	<W	<W	<W	<W	<W	NS	3>T	<W	<W	ng/L	ng/L +++
64 MIREX		R	<W	<W	<W	<W	<W	<W	LA	<W	<W	5	
64 (PST)	ng/L	T	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	
65 OXYCHLORDANE		R	<W	<W	<W	<W	<W	<W	LA	<W	<W	2	
65 (PST)	ng/L	T	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	
66 O,P,-DDT		R	<W	<W	<W	<W	<W	<W	LA	<W	<W	5	30000
66 (PST)	ng/L	T	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	ng/L d



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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			DEC 16	DEC 23	JAN 6							
56 ENDRIN	R	<W									4	200
56 (PST)            ng/L	T	<W									ng/L	ng/L
57 THIODAN SULPHATE	R	<W									4	
57 (PST)            ng/L	T	<W									ng/L	
58 THIODAN I	R	<W									2	74000
58 (PST)            ng/L	T	<W									ng/L	ng/L    ea
59 THIODAN II	R	<W									4	74000
59 (PST)            ng/L	T	<W									ng/L	ng/L    ea
60 METHYLPARATHION	R										50	7000
60 (SPC)	T										ng/L	ng/L
61 PARATHION	R										50	35000
61 (SPC)	T										ng/L	ng/L
62 HEPTACHLOR EPOXIDE	R	<W									1	3000    +++
62 (PST)            ng/L	T	<W									ng/L	ng/L
63 HEPTACHLOR	R	<W									1	3000
63 (PST)            ng/L	T	<W									ng/L	ng/L    +++
64 MIREX	R	<W									5	
64 (PST)            ng/L	T	<W									ng/L	
65 OXYCHLORDANE	R	<W									2	
65 (PST)            ng/L	T	<W									ng/L	
66 O, P, -DDT	R	<W									5	30000
66 (PST)            ng/L	T	<W									ng/L	ng/L    d

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PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>	
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2			DEC 10
67 PCB		R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	20	3000 ng/L t
67 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	
68 P,P-DDD		R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	5	d
68 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	
69 P,P-DDE		R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	1	d
69 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	
70 P,P-DDT		R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	5	d
70 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	
71 AMETRINE		R	+	<W	+	+	<W	+	+	+			50	14000 ng/L
71 (SPC)	ng/L	T	+	<W	+	+	<W	+	+	+			ng/L	
72 ATRAZINE		R	+	<W	+	+	<W	+	+	+			50	
72 (SPC)	ng/L	T	+	<W	+	+	<W	+	+	+			ng/L	
73 DIAZINON		R	+	+	+	+	NS	+	+	+			50	
73 (SPC)	ng/L	T	+	+	+	+	NS	+	+	+			ng/L	
74 BLADEX		R	+	+	+	+	<W	+	+	+			100	
74 (SPC)	ng/L	T	+	+	+	+	<W	+	+	+			ng/L	
75 PROMETONE		R	+	+	+	+	<W	+	+	+			50	
75 (SPC)	ng/L	T	+	+	+	+	<W	+	+	+			ng/L	
76 PROPAZINE		R	+	+	+	+	<W	+	+	+			50	
76 (SPC)	ng/L	T	+	+	+	+	<W	+	+	+			ng/L	
77 PROMETRYNE		R	+	+	+	+	<W	+	+	+			50	
77 (SPC)	ng/L	T	+	+	+	+	<W	+	+	+			ng/L	

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PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			DEC 16	DEC 23	JAN 6							
78 SENCOR		R									100	
78 (SPC)	ng/L	T									ng/L	
79 SIMAZINE		R									50	
79 (SPC)	ng/L	T									ng/L	
80 DICAMBA		R									100	
80 (SPC)	ng/L	T									ng/L	
81 PICLORAM		R									100	
81 (SPC)	ng/L	T									ng/L	
82 SILVEX		R									50	10000
82 (SPC)	ng/L	T									ng/L	ng/L
83 2,4-D		R									100	100000
83 (SPC)	ng/L	T									ng/L	ng/L
84 2,4-D BUTYRIC ACID		R									200	
84 (SPC)	ng/L	T									ng/L	
85 2,4-D PROPIONIC ACID		R									100	
85 (SPC)	ng/L	T									ng/L	
86 2,4,5-T		R									50	
86 (SPC)	ng/L	T									ng/L	
87 TOTAL SOLIDS		R		145.0							1	
87 (LAB)	mg/L	T		151.0							mg/L	
88 SELENIUM		R	<W	<W	<W						0.001	0.01
88 (MET)	mg/L	T	<W	<W	<W						mg/L	mg/L

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PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ. GUIDELINE <sup>1</sup>	
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2			DEC 10
89 STRONTIUM		R	0.092	0.097	0.110	0.088	0.100	0.24	NR	0.09	0.190	0.083	0.001	
89 (MET)	mg/L	T	0.072	0.098	0.110	0.086	0.100	0.21	NR	0.10	0.160	0.095	mg/L	
90 TOTAL COLIFORM MF		R	100	600	1100	1700A3C	2000	9300	NR	800	6900A3C	1300	0	ODWO
90 (BAC)	count/100mL	T	LA	0	0	1	0	0	NR	0	0	0		Bacti
91 TOTAL COLIFORM BACKGROUND MF		R	16000	18500	5500	34000	3900	160000	NR	2000	66000	2500	0	OWDO
91 (BAC)	count/100mL	T	LA	0	0	3	0	0	NR	0	0	0		Bacti
92 TURBIDITY		R	9.1	15.0	3.8	UR	3.6	31	56	4.1	111.00		0.01	1
92 (LAB)	FTU	T	0.21<T	0.39<T	0.19<T	0.15<T	0.10<T	!NR	1.72	0.30<T	1.94		FTU	FTU
93 URANIUM		R	<W	<W	<W	<W	<W	<W	NR	<0.002	<W	<W	0.002	.02
93 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	NR	<0.002	<W	<W	mg/L	mg/L
94 VANADIUM		R	<W	0.001	0.001	<W	<W	0.003	NR	0.001	0.006	<W	0.001	
94 (MET)	mg/L	T	<W	<W	0.001	0.001	<W	0.001	NR	0.001	0.002	<W	mg/L	
95 HEXACHLOROBUTADIENE		R	<W	<W	<W	<W	<W	7<T	<W	LA	<W	5<T	1	4500
95 (CHA)	ng/L	T	<W	<W	<W	<W	<W	2<T	NS	<W	<W	2<T	ng/L	ng/L
96 1,1-DICHLOROETHYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	.3
96 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L	ug/L
97 METHYLENE CHLORIDE		R	<W	<W	<W	<W	<W	CS	<W	CS			5	40
97 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	CS			ug/L	ug/L
98 T,1,2-DICHLOROETHYLENE		R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	
98 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L	
99 1,1-DICHLOROETHANE		R	<W	<W	<W	<W	<W	<W	<W	<W			1	
99 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W			ug/L	

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PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2	DEC 10	
100 CHLOROFORM	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	350
100 (VOL) ug/L	T	21	21	22	35	26	44	NS	11	29	9	ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	<W	<W	<W	<W	CS	<W	CS	<W	<W	5	40
101 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	CS	<W	<W	ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	
102 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L	
103 DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	
103 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L	
104 1,2-DICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	10
104 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	1	<W	<W	1	<W	1	1	1	<W	2	1	3
105 (VOL) ug/L	T	1	<W	<W	<W	<W	1	NS	1	<W	2	ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	6
106 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	30
107 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	350
108 (VOL) ug/L	T	9	15	10	14	11	25	NS	9	12	17	ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	6
109 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	350
110 (VOL) ug/L	T	<W	<W	<W	<W	<W	20	NS	13	8	10	ug/L	ug/L ++



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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2	DEC 10		
111 TETRACHLOROETHYLENE	R	<W	<W	<W	4	<W	<W	<W	<W	<W	<W	1	10
111 (VOL) ug/L	T	<W	<W	<W	3<T	<W	<W	NS	<W	<W	<W	ug/L	ug/L h
112 BROMOFORM	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	350
112 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1	1.7
113 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ug/L	ug/L e
114 HEXACHLOROBENZENE	R	<W	<W	2<T	7<T	2<T	<W	<W	LA	<W	1<T	1	10
114 (PST) ng/L	T	<W	<W	<W	3<T	3<T	<W	NS	<W	<W	<W	ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	1	19000
115 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	1	
116 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	
117 PENTACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	1	74000
117 (CHA) ng/L	T	<W	<W	<W	2<T	<W	2<T	NS	<W	2<T	<W	ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	3	350
118 (VOL) ug/L	T	33	43	43	63	47	89	NS	33	49	36	ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	5	
119 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	27<T	<W	ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	5	10000
120 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	23<T	13<T	<W	ng/L	ng/L g
121 2,6,A-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	5	
121 (CHA) mg/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	ng/L	

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PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2	DEC 10	
122 CHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	100-300
122 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	<W	ng/L h*
123 1,4-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	400
123 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	<W	ug/L e
124 1,3-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	400
124 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	<W	ug/L e
125 1,2-DICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	400
125 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	<W	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	<W	1
126 (CHA) ug/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	<W	ug/L
127 1,2,3-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	<W	5
127 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	<W	ng/L y
128 1,2,3,4-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	<W	1
128 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	<W	ng/L e
129 1,2,3,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	<W	1
129 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	<W	ng/L
130 1,2,4-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	<W	5
130 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	40<T	16<T	<W	<W	ng/L y
131 1,2,4,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	<W	1
131 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	3<T	<W	<W	ng/L e
132 1,3,5-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W	<W	LA	<W	<W	<W	5
132 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W	NS	<W	<W	<W	<W	ng/L y

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PARAMETERS			D A T E									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2		
133 PENTACHLOROPHENOL	R	+	<W	+	+	<W	+	+	+			50	10000
133 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+			ng/L	ng/L h
134 2,3,4-TRICHLOROPHENOL	R	+	<W	+	+	<W	+	+	+			100	
134 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+			ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R	+	<W	+	+	<W	+	+	+			50	
135 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+			ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R	+	<W	+	+	<W	+	+	+			50	
136 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+			ng/L	
137 2,4,5-TRICHLOROPHENOL	R	+	<W	+	+	<W	+	+	+			50	
137 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+			ng/L	
138 2,4,6-TRICHLOROPHENOL	R	+	<W	+	+	<W	+	+	+			50	10000
138 (CHP) ng/L	T	+	<W	+	+	<W	+	+	+			ng/L	ng/L h
139 ZINC	R	0.003	0.005	0.004	0.002	0.004	0.008	NR	0.004	0.016	0.004	0.001	5
139 (MET) mg/L	T	0.001	0.018	0.013	0.032	0.036	0.037	NR	0.005	0.006	0.002	mg/L	mg/L h
140 PENTACHLOROPROPANE	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
140 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
141 PENTACHLOROPROPENE	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
141 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
142 HEXACHLOROPROPENE	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
142 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
143 TETRACHLOROBUTANE	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
143 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	

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PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ. GUIDELINE <sup>1</sup>	
			JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2			DEC 10
144 PENTACHLOROBUTADIENE	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
144 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
145 N-DICHLOROMETHYLENE-	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
145 PENTACHLOROANILINE													ug/L	
145 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W		
146 FLUORANTHENE	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
146 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
147 NAPHTHALENE	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
147 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
148 METHYL PHENANTHRENE	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
148 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
149 PYRENE	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
149 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
150 DIPHENYL ETHER	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	X<T	0.1	
150 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
151 DI-N-BUTYL PHTHALATE	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
151 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
152 CL BIPHENYL	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
152 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
153 ATRAZINE	R	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
153 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	



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PARAMETERS	DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
	JUN 5	JUL 3	AUG 6	SEP 3	OCT 7	NOV 5	NOV 15	NOV 26	DEC 2	DEC 10		
154 CARBON TETRACHLORIDE	R NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
154 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
155 DIBROMOCHLOROMETHANE	R NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
155 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	NS	NS	X<T	ug/L	
156 TETRACHLOROETHYLENE	R NS	NS	NS	NS	NS	NS	NS	NS	NS	X<T	0.1	
156 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	ug/L	
157 BIPHENYL	R NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
157 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	NS	NS	X<T	ug/L	
158 BROMOFORM	R NS	NS	NS	NS	NS	NS	NS	NS	NS	<W	0.1	
158 (MS) ug/L	T NS	NS	NS	NS	NS	NS	NS	NS	NS	X<T	ug/L	

LAB - Chemistry (LAB)  
FLD - Chemistry (FIELD)  
BAC - Bacteriological  
MS - Mass Spec. Ana.

MET - Metal  
VOL - Volatiles  
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics  
CHP - Chlorophenols  
SPC - Specific Pesticides

WALLACEBURG WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS		DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		DEC 16	DEC 23	JAN 6								
154 CARBON TETRACHLORIDE	R										0.1	
154 (MS) ug/L	T										ug/L	
155 DIBROMOCHLOROMETHANE	R										0.1	
155 (MS) ug/L	T										ug/L	
156 TETRACHLOROETHYLENE	R										0.1	
156 (MS) ug/L	T										ug/L	
157 BIPHENYL	R										0.1	
157 (MS) ug/L	T										ug/L	
158 BROMOFORM	R										0.1	
158 (MS) ug/L	T										ug/L	

LAB - Chemistry (LAB)  
FLD - Chemistry (FIELD)  
BAC - Bacteriological  
MS - Mass Spec. Ana.

MET - Metal  
VOL - Volatiles  
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics  
CHP - Chlorophenols  
SPC - Specific Pesticides

TABLE A

WALPOLE ISLAND WATER TREATMENT PLANT  
1985-1986 DWSP DATAPAGE 1  
Updated: January 21, 1986

PARAMETERS			DATE								DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6		
1 ALKALINITY		R	83.8	81.2	79.8				80.6		0.2	
1 (LAB)	mg/L	T	75.6	72.0	70.4				71.0		mg/L	
2 ALUMINUM		R	0.250	NR	0.021	0.300	0.042	0.073	0.026	0.054	0.003	
2 (MET)	mg/L	T	0.089	NR	0.021	0.039	0.036	0.043	0.032	0.040	mg/L	
3 ARSENIC		R	<W	<W	<W	<W	<W	<W	<W	<W	0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	mg/L	mg/L
4 BARIUM		R	0.018	NR	0.011	0.013	0.012	0.011	0.013	0.011	0.001	1
4 (MET)	mg/L	T	0.016	NR	0.012	0.012	0.011	0.011	0.011	0.011	mg/L	mg/L
5 BORON		R	<W	NR	0.14	0.04	0.03	0.12	0.10	0.04	0.02	5
5 (MET)	mg/L	T	<W	NR	0.03	0.08	0.02	0.11	0.05	0.04	mg/L	mg/L
6 BERYLLIUM		R	<W	NR	<W	<W	<W	<W	<W	<W	0.001	
6 (MET)	mg/L	T	<W	NR	<W	<W	<W	<W	<W	<W	mg/L	
7 BENZENE		R	<W	1	<W	<W	1		<W		1	10
7 (VOL)	ug/L	T	<W	1	<W		2		4		ug/L	ug/L h
8 TOLUENE		R	<W	<W	<W	<W	<W		<W		1	14300
8 (VOL)	ug/L	T	<W	<W	<W		<W		<W		ug/L	ug/L e
9 ETHYLBENZENE		R	<W	<W	<W	<W	<W		<W		1	1400
9 (VOL)	ug/L	T	<W	<W	<W		<W		<W		ug/L	ug/L e
10 P-XYLENE		R	<W	<W	<W	<W	<W		<W		1	620
10 (VOL)	ug/L	T	<W	<W	<W		<W		<W		ug/L	ug/L e
11 M-XYLENE		R	<W	<W	<W	<W	<W		<W		1	620
11 (VOL)	ug/L	T	<W	<W	<W		<W		<W		ug/L	ug/L c

WALPOLE ISLAND WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6				
12 O-XYLENE		R	<W	<W	<W	<W	<W		<W				1 ug/L	620
12 (VOL)	ug/L	T	<W	<W	<W		<W		<W					ug/L c
13 CALCIUM		R	28.5	27.0	27.5	<W			27.0				0.1 mg/L	
13 (LAB)	mg/L	T	28.2	28.2	28.2	<W			27.5					
14 CYANIDE		R	<W	NR	<W	<W	<W	<W	<W	<W			0.001	0.2
14 (MET)	mg/L	T	<W	NR	<W	<W	<W	<W	<W	<W			mg/L	mg/L
15 CADMIUM		R	<W	NR	<W	<W	<W	<W	<W	<W			0.0003	0.005
15 (MET)	mg/L	T	<W	NR	<W	<W	<W	<W	<W	<W			mg/L	mg/L
16 CHLORIDE		R	8.4	8.8	8.6				8.0				0.2	250
16 (LAB)	mg/L	T	10.0	10.2	9.0				8.8				mg/L	mg/L
17 COLOUR	TCU	R	18.0	5.5	2.0				2.5				0.5	5
17 (LAB)		T	0.5<T	<W	<W				<W				TCU	TCU
18 CONDUCTIVITY		R	230	225	223				223.00				0.01	
18 (LAB)	umho/cm	T	236	239	235				231.00				UMHO/CM	
19 COBALT		R	.002	NR	<W	<W	<W	<W	<W	<W			0.001	
19 (MET)	mg/L	T	.001	NR	<W	<W	<W	<W	<W	<W			mg/L	
20 CHROMIUM		R	0.001	NR	0.001	0.002	0.001	0.002	<W	0.001			0.001	0.05
20 (MET)	mg/L	T	0.001	NR	0.001	0.001	0.001	0.001	<W	0.002			mg/L	mg/L
21 COPPER		R	0.001	NR	<W	0.003	0.002	0.007	0.001	0.002			0.001	1
21 (MET)	mg/L	T	0.003	NR	0.003	0.005	0.005	0.010	0.004	0.004			mg/L	mg/L
22 F. COLIFORM MF		R	168	NR	120		178	510		109			0	0/0.1L
22 (BAC)	count/100mL	T	NA	NA	NA		NA	NA		NA				mL

WALPOLE ISLAND WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6				
23 IRON		R 0.410	NR	0.043	0.330	0.036	0.042	0.035	0.050			0.002 mg/L	0.3 mg/L
23 (MET) mg/L	T	0.019	NR	0.010	0.007	0.006	0.007	0.009	0.009				
24 FLUORIDE		R 0.08	0.08	0.07				0.09				0.01 mg/L	2.4 mg/L
24 (LAB) mg/L	T	0.07	0.07	0.06				0.06					
25 FIELD CHLORINE (COMBINED)		R NA	NA	NA	NA	NA	NA	NA	NA				
25 (FLD)	T	0.5	NS	0.2	NS	NS	NS	NS	NS				
26 FIELD CHLORINE (FREE)		R NA	NA	NA	NA	NA	NA	NA	NA				
26 (FLD)	T	1.5	NS	0.7	NS	>1.00	NS	NS	NS				
27 FIELD CHLORINE (TOTAL)		R NA	NA	NA	NA	NA	NA	NA	NA				
27 (FLD)	T	2.0	NS	0.9	NS	>1.00	>1.00	>1.00	NS				
28 FIELD PH		R 7.9	NS	7.9	NS	7.80	7.80	7.90	7.90				
28 (FLD)	T	7.7	NS	7.4	7.4	7.40	7.50	7.50	NS				
29 FIELD TEMPERATURE		R NS	NS	NS	NS	4.5	3.0	3.0	1.0				
29 (FLD)	T	NS	NS	NS	5.5	5.5	3.0	6.0	NS				
30 FIELD TURBIDITY		R 17.1	NS	1.8	NS	NS	3.40	4.40	4.10				1 FTU
30 (FLD)	T	0.64	NS	NS	NS	NS	0.80	0.40	NS				
31 HARDNESS		R 103	97.5	97.9				97.3				0.5 mg/L	
31 (LAB) mg/L	T	102	101	99.8				98.5					
32 STANDARD PLATE COUNT MF		R OP	NR	1300		1000	510		1400			0	500 orga- nisms per mL
32 (BAC) count/mL	T	31	NR	0		AW	0		0				
33 MERCURY		R <W	NR	<W	0.01	<W	0.01	0.02	0.01			0.01 ug/L	1 ug/L
33 (MET) ug/L	T	<W	NR	0.01	<W	<W	<W	<W	<W				

WALPOLE ISLAND WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6				
34 MAGNESIUM		R	7.70	7.30	7.10				7.25				0.05	
34 (LAB)	mg/L	T	7.60	7.45	7.15				7.25				mg/L	
35 MANGANESE		R	<W	NR	0.001	0.008	0.002	0.003	0.002	0.003			0.001	0.05
35 (MET)	mg/L	T	0.001	NR	0.001	0.002	0.001	0.001	0.001	0.001			mg/L	mg/L
36 MOLYBDENUM		R	<W	NR	0.001	0.001	<W	<W	<W	<W			0.001	0.25
36 (MET)	mg/L	T	0.001	NR	0.002	0.001	<W	<W	<W	<W			mg/L	mg/L s
37 SODIUM		R	5.5	6.2	5.5				6.0				0.1	
37 (LAB)	mg/L	T	5.5	6.5	5.5				6.0				mg/L	
38 NICKEL		R	<W	NR	<W	0.002	<W	<W	<W	<W			0.002	
38 (MET)	mg/L	T	<W	NR	<W	<W	<W	<W	<W	<W			mg/L	
39 AMMONIUM TOTAL		R	<W	NR	<W				<W				0.05	
39 (LAB)	mg/L	T	<W	NR	<W				<W				mg/L	
40 NITRITE		R	0.01<T	<W	0.01<T				<W				0.005	1 mg/L
40 (LAB)	mg/L	T	<W	<W	<W				<W				mg/L	as N
41 NITRATE		R	0.50	0.35	0.25<T				0.30<T				0.05	10 mg/L
41 (LAB)	mg/L	T	0.40	0.40	0.25<T				0.25<T				mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	NR	0.20<T	0.20<T				0.20<T				0.1	0.15
42 (LAB)	mg/L	T	NR	<W	<W				<W				mg/L	mg/L *
43 PRESENCE/ABSENCE		R	NA	NA	NA	NA	NA	NA	NA	NA			0	Absent
43 (BAC)		T	ABSENT	NR	ABSENT		ABSENT	ABSENT		ABSENT				
44 LEAD	mg/L	R	<W	NR	<W	<W	<W	<W	<W	<W			0.003	0.05
44 (MET)		T	<W	NR	<W	<W	<W	<W	<W	<W			mg/L	mg/L

WALPOLE ISLAND WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6				
45 PH	R	8.19	8.08	8.14				8.17					
45 (LAB)	T	7.83	7.50	7.67				7.41					
46 PHOSPHORUS FILTERED REACTIVE	R	<W	NR	<W				<W				0.01	
46 (LAB) mg/L	T	<W	NR	<W				<W				mg/L	
47 PHOSPHORUS TOTAL	R	0.02<T	NR	<W				0.020<T				0.01	
47 (LAB) mg/L	T	<W	NR	<W				0.020<T				mg/L	
48 ALDRIN	R	<W	<W	<W	<W	<W	<W					1	700
48 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L **
49 ALPHA BHC	R	2<T	3<T	2<T	<W	4<T	3<T					1	700
49 (PST) ng/L	T	4<T	3<T	2<T	2<T	4<T	3<T					ng/L	ng/L c
50 BETA BHC	R	1<T	<W	<W	<W	<W	<W					1	300
50 (PST) ng/L	T	<W	<W	4<T	<W	<W	<W					ng/L	ng/L c
51 LINDANE	R	<W	<W	<W	<W	<W	<W					1	4000
51 (PST) ng/L	T	2<T	<W	<W	<W	<W	<W					ng/L	ng/L
52 ALPHA CHLORDANE	R	<W	<W	<W	<W	<W	<W					2	700
52 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L ***
53 GAMMA CHLORDANE	R	<W	<W	<W	<W	<W	<W					2	700
53 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L ***
54 DIELDRIN	R	<W	<W	<W	<W	<W	<W					2	700
54 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L **
55 METHOXYCHLOR	R	<W	<W	<W	<W	<W	<W					5	100000
55 (PST) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L



WALPOLE ISLAND WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6				
56 ENDRIN		R	<W	<W	<W	<W	<W	<W					4	200
56 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L
57 THIODAN SULPHATE		R	<W	<W	<W	<W	<W	<W					4	
57 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	
58 THIODAN I		R	<W	<W	<W	<W	<W	<W					2	74000
58 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L ea
59 THIODAN II		R	<W	<W	<W	<W	<W	<W					4	74000
59 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L ea
60 METHYLPARATHION		R											50	7000
60 (SPC)		T											ng/L	ng/L
61 PARATHION		R											50	35000
61 (SPC)		T											ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R	<W	<W	<W	<W	<W	<W					1	3000 +++
62 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L
63 HEPTACHLOR		R	<W	<W	<W	<W	<W	<W					1	3000
63 (PST)	ng/L	T	<W	<W	4<T	<W	1<T	2<T					ng/L	ng/L +++
64 MIREX		R	<W	<W	<W	<W	<W	<W					5	
64 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	
65 OXYCHLORDANE		R	<W	<W	<W	<W	<W	<W					2	
65 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	
66 O,P,-DDT		R	<W	<W	<W	<W	<W	<W					5	30000
66 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L d

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[illegible]

WALPOLE ISLAND WATER TREATMENT PLANT  
1985-1986 DWSP DATA

PAGE 8

PARAMETERS			D A T E										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6				
78 SENCOR		R	<W	+	+								100	
78 (SPC)	ng/L	T	<W	+	+								ng/L	
79 SIMAZINE		R	<W	+	+								50	
79 (SPC)	ng/L	T	<W	+	+								ng/L	
80 DICAMBA		R	<W	+	+								100	
80 (SPC)	ng/L	T	<W	+	+								ng/L	
81 PICLORAM		R	<W	+	+								100	
81 (SPC)	ng/L	T	<W	+	+								ng/L	
82 SILVEX		R	<W	+	+								50	10000
82 (SPC)	ng/L	T	<W	+	+								ng/L	ng/L
83 2,4-D		R	<W	+	+								100	100000
83 (SPC)	ng/L	T	<W	+	+								ng/L	ng/L
84 2,4-D BUTYRIC ACID		R	<W	+	+								200	
84 (SPC)	ng/L	T	<W	+	+								ng/L	
85 2,4-D PROPIONIC ACID		R	<W	+	+								100	
85 (SPC)	ng/L	T	<W	+	+								ng/L	
86 2,4,5-T		R	<W	+	+								50	
86 (SPC)	ng/L	T	<W	+	+								ng/L	
87 TOTAL SOLIDS		R	150	146	145				145				1	
87 (LAB)	mg/L	T	153	155	153				150				mg/L	
88 SELENIUM		R	<W	<W	<W	<W	<W	<W	<W	<W			0.001	0.01
88 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W			mg/L	mg/L

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[illegible]

WALPOLE ISLAND WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS		D A T E									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6			
100 CHLOROFORM	R	<W	<W	<W	<W	<W		<W			1	350
100 (VOL) ug/L	T	38	18	16		16		24			ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	<W	DR	<W	<W		<W			5	40
101 (VOL) ug/L	T	<W	<W	DR		<W		<W			ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	<W	<W	<W	<W		<W			1	
102 (VOL) ug/L	T	<W	<W	<W		<W		<W			ug/L	
103 DICHLOROETHANE	R	<W	<W	<W	<W	<W		<W			1	
103 (VOL) ug/L	T	<W	<W	<W		<W		<W			ug/L	
104 1,2-DICHLOROETHANE	R	<W	<W	<W	<W	<W		<W			1	10
104 (VOL) ug/L	T	<W	<W	<W		<W		<W			ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	<W	<W	<W	1	1		<W			1	3
105 (VOL) ug/L	T	1	<W	1		<W		1			ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	<W	<W	<W	<W		<W			1	6
106 (VOL) ug/L	T	<W	<W	<W		<W		<W			ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	<W	<W	<W	<W		<W			1	30
107 (VOL) ug/L	T	<W	<W	<W		<W		<W			ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	<W	<W	<W	<W	<W		<W			1	350
108 (VOL) ug/L	T	16	10	10		10		11			ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	<W	<W	<W	<W		<W			1	6
109 (VOL) ug/L	T	<W	<W	<W		<W		<W			ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	<W	<W	<W	<W	<W		<W			1	350
110 (VOL) ug/L	T	11	10	16		14		11			ug/L	ug/L ++

WALPOLE ISLAND WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS		DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6			
111 TETRACHLOROETHYLENE	R	<W	<W	<W	<W	<W		<W			1	10
111 (VOL) ug/L	T	<W	<W	<W		<W		<W			ug/L	ug/L h
112 BROMOFORM	R	<W	<W	<W	<W	<W		<W			1	350
112 (VOL) ug/L	T	<W	<W	<W		<W		2			ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	<W	<W	<W	<W		<W			1	1.7
113 (VOL) ug/L	T	<W	<W	<W		<W		<W			ug/L	ug/L e
114 HEXACHLOROBENZENE	R	<W	32	<W	<W	<W	<W				1	10
114 (PST) ng/L	T	2<T	<W	<W	<W	<W	<W				ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	<W	<W	<W	<W	<W				1	19000
115 (CHA) ng/L	T	8<T	<W	<W	<W	<W	<W				ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	<W	<W	<W	<W	<W				1	
116 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W				ng/L	
117 PENTACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W				1	74000
117 (CHA) ng/L	T	4<T	<W	<W	2<T	<W	<W				ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	<W	<W	<W	<W	<W		<W			3	350
118 (VOL) ug/L	T	65	38	42		40		48			ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W				5	
119 (CHA) ng/L	T	<W	<W	14<T	<W	<W	13<T				ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W				5	10000
120 (CHA) ng/L	T	<W	<W	<W	14<T	<W	<W				ng/L	ng/L g
121 2,6-A-TRICHLOROTOLUENE	R	<W	<W	<W	<W	<W	<W				5	
121 (CHA) mg/L	T	<W	<W	<W	<W	<W	<W				mg/L	

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6				
122 CHLOROBENZENE	R	<W	<W	<W	<W	<W		<W				1	100-300
122 (VOL) ug/L	T	<W	<W	<W		<W		<W				ng/L	ng/L h*
123 1,4-DICHLOROBENZENE	R	<W	<W	<W	<W	<W		<W				1	400
123 (VOL) ug/L	T	<W	<W	<W		<W		<W				ug/L	ug/L e
124 1,3-DICHLOROBENZENE	R	<W	<W	<W	<W	<W		<W				1	400
124 (VOL) ug/L	T	<W	<W	<W		<W		<W				ug/L	ug/L e
125 1,2-DICHLOROBENZENE	R	<W	<W	<W	<W	<W		<W				1	400
125 (VOL) ug/L	T	<W	<W	<W		<W		<W				ug/L	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R	<W	<W	<W	<W	<W		<W				1	
126 (CHA) ug/L	T	<W	<W	<W		<W		<W				ug/L	
127 1,2,3-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W					5	10000
127 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L y
128 1,2,3,4-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W					1	38000
128 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L e
129 1,2,3,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W					1	
129 (CHA) ng/L	T	<W	23	<W	<W	<W	<W					ng/L	
130 1,2,4-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W					5	15000
130 (CHA) ng/L	T	<W	<W	13<T	17<T	<W	<W					ng/L	ng/L y
131 1,2,4,5-TETRACHLOROBENZENE	R	<W	<W	<W	<W	<W	<W					1	38000
131 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W					ng/L	ng/L e
132 1,3,5-TRICHLOROBENZENE	R	<W	<W	<W	<W	<W	<W					5	10000
132 (CHA) ng/L	T	<W	24<T	<W	6<T	<W	<W					ng/L	ng/L y

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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6				
133 PENTACHLOROPHENOL	R	<W	+	+								50	10000 ng/L h
133 (CHP) ng/L	T	<W	+	+								ng/L	
134 2,3,4-TRICHLOROPHENOL	R	<W	+	+								100	
134 (CHP) ng/L	T	<W	+	+								ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R	<W	+	+								50	
135 (CHP) ng/L	T	<W	+	+								ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R	<W	+	+								50	
136 (CHP) ng/L	T	<W	+	+								ng/L	
137 2,4,5-TRICHLOROPHENOL	R	<W	+	+								50	
137 (CHP) ng/L	T	<W	+	+								ng/L	
138 2,4,6-TRICHLOROPHENOL	R	<W	+	+								50	10000 ng/L h
138 (CHP) ng/L	T	<W	+	+								ng/L	
139 ZINC	R	0.005	NR	0.004	0.004	0.003	0.006	0.004	0.002			0.001	5 mg/L h
139 (MET) mg/L	T	0.004	NR	0.005	0.006	0.004	0.007	0.004	0.005			mg/L	
140 PENTACHLOROPROPANE	R	NS	NS	NS	NS	<W						0.1	
140 (MS) ug/L	T	NS	NS	NS	NS	<W						ug/L	
141 PENTACHLOROPROPENE	R	NS	NS	NS	NS	<W						0.1	
141 (MS) ug/L	T	NS	NS	NS	NS	<W						ug/L	
142 HEXACHLOROPROPENE	R	NS	NS	NS	NS	<W						0.1	
142 (MS) ug/L	T	NS	NS	NS	NS	<W						ug/L	
143 TETRACHLOROBUTANE	R	NS	NS	NS	NS	<W						0.1	
143 (MS) ug/L	T	NS	NS	NS	NS	<W						ug/L	



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PARAMETERS		DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6			
144 PENTACHLOROBUTADIENE	R NS	NS	NS	NS	NS	<W					0.1	
144 (MS) ug/L	T NS	NS	NS	NS	NS	<W					ug/L	
145 N-DICHLOROMETHYLENE-	R NS	NS	NS	NS	NS	<W					0.1	
145 PENTACHLOROANILINE												
145 (MS) ug/L	T NS	NS	NS	NS	NS	<W					ug/L	
146 FLUORANTHENE	R NS	NS	NS	NS	NS	<W					0.1	
146 (MS) ug/L	T NS	NS	NS	NS	NS	<W					ug/L	
147 NAPHTHALENE	R NS	NS	NS	NS	NS	<W					0.1	
147 (MS) ug/L	T NS	NS	NS	NS	NS	<W					ug/L	
148 METHYL PHENANTHRENE	R NS	NS	NS	NS	NS	<W					0.1	
148 (MS) ug/L	T NS	NS	NS	NS	NS	<W					ug/L	
149 PYRENE	R NS	NS	NS	NS	NS	<W					0.1	
149 (MS) ug/L	T NS	NS	NS	NS	NS	<W					ug/L	
150 DIPHENYL ETHER	R NS	NS	NS	NS	NS	<W					0.1	
150 (MS) ug/L	T NS	NS	NS	NS	NS	<W					ug/L	
151 DI-N-BUTYL PHTHALATE	R NS	NS	NS	NS	NS	<W					0.1	
151 (MS) ug/L	T NS	NS	NS	NS	NS	<W					ug/L	
152 CL BIPHENYL	R NS	NS	NS	NS	NS	<W					0.1	
152 (MS) ug/L	T NS	NS	NS	NS	NS	<W					ug/L	
153 ATRAZINE	R NS	NS	NS	NS	NS	<W					0.1	
153 (MS) ug/L	T NS	NS	NS	NS	NS	<W					ug/L	

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PARAMETERS	DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
	NOV 6	NOV 15	NOV 25	DEC 2	DEC 9	DEC 17	DEC 23	JAN 6				
154 CARBON TETRACHLORIDE	R NS	NS	NS	NS	<W						0.1	
154 (MS) ug/L	T NS	NS	NS	NS	<W						ug/L	
155 DIBROMOCHLOROMETHANE	R NS	NS	NS	NS	<W						0.1	
155 (MS) ug/L	T NS	NS	NS	NS	X<T						ug/L	
156 TETRACHLOROETHYLENE	R NS	NS	NS	NS	X<T						0.1	
156 (MS) ug/L	T NS	NS	NS	NS	X<T						ug/L	
157 BIPHENYL	R NS	NS	NS	NS	<W						0.1	
157 (MS) ug/L	T NS	NS	NS	NS	<W						ug/L	
158 BROMOFORM	R NS	NS	NS	NS	<W						0.1	
158 (MS) ug/L	T NS	NS	NS	NS	<W						ug/L	

LAB - Chemistry (LAB)  
FLD - Chemistry (FIELD)  
BAC - Bacteriological

MET - Metal  
VOL - Volatiles  
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics  
CHP - Chlorophenols  
SPC - Specific Pesticides

TABLE A

WINDSOR WATER TREATMENT PLANT  
1985-1986 DWSP DATAPAGE 1  
Updated: January 21, 1986

PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21	DEC 2	DEC 10	DEC 17	JAN 7		
1 ALKALINITY		R	!NR	!NR	91.6	91.2	92.8	81.8	107.2			0.2	
1 (LAB)	mg/L	T	76.6	75.0	79.8	67.2	80.2	77.8	90.4			mg/L	
2 ALUMINUM		R	0.091	!NR	0.200	2.300	1.00	0.790	1.400	0.230	0.063	0.003	
2 (MET)	mg/L	T	0.170	75.0	0.190	0.200	0.10	0.098	0.100	0.300	0.110	mg/L	
3 ARSENIC		R	<W	!NR	<W	<W	<W	<W	0.001	<W	<W	0.001	0.05
3 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W	mg/L	mg/L
4 BARIUM		R	0.048	!NR	0.015	0.023	0.017	0.016	0.021	0.012	0.011	0.001	1
4 (MET)	mg/L	T	0.014	0.010	0.014	0.014	0.013	0.012	0.014	0.012	0.012	mg/L	mg/L
5 BORON		R	0.10	!NR	0.07	0.02	0.02	0.08	<W	0.08	0.05	0.02	5
5 (MET)	mg/L	T	0.15	0.03	0.02	0.01	<W	0.08	0.03	0.06	0.04	mg/L	mg/L
6 BERYLLIUM		R	<W	!NR	<W	<W	<W	<W	<W	<W	<W	0.001	
6 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W	mg/L	
7 BENZENE		R	<W	!NR	<W	<W	<W	<W	<W			1	10
7 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L
8 TOLUENE		R	<W	!NR	<W	<W	<W	<W	<W			1	14300
8 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L
9 ETHYLBENZENE		R	<W	!NR	<W	<W	<W	<W	<W			1	1400
9 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L
10 P-XYLENE		R	<W	!NR	<W	<W	<W	<W	<W			1	620
10 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L
11 M-XYLENE		R	<W	!NR	<W	<W	<W	<W	<W			1	620
11 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L

WINDSOR WATER TREATMENT PLANT  
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PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21	DEC 2	DEC 10	DEC 17	JAN 7			
12 O-XYLENE		R	<W	!NR	<W	<W	<W	<W	<W				1 ug/L	620
12 (VOL)	ug/L	T	<W	<W	<W	<W	<W	<W	<W					ug/L c
13 CALCIUM		R	!NR	!NR	31.6	32.0	34.5	27.0	41.0				0.1 mg/L	
13 (LAB)	mg/L	T	27.5	27.0	31.6	32.2	33.8	30.4	42.0					
14 CYANIDE		R	<W	!NR	<W	NR	<W	<W	<W	<W	<W		0.001	0.2
14 (MET)	ug/L	T	<W	<W	<W	NR	<W	<W	<W	<W	<W		mg/L	mg/L
15 CADMIUM		R	<W	!NR	<W	<W	<W	<W	<W	<W	<W		0.0003	0.005
15 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L
16 CHLORIDE		R	!NR	!NR	10.4	9.2	10.2	6.0	13.0				0.2	250
16 (LAB)	mg/L	T	10.0	9.2	12.4	10.8	11.8	9.6	14.6				mg/L	mg/L
17 COLOUR	TCU	R	!NR	!NR	15.0	27.5	16.0	12.0	21.0				0.5	5
17 (LAB)		T	0.5<T	1<T	2.0	1.0<T	.5<T	1.0<T	<W				TCU	TCU
18 CONDUCTIVITY		R	!NR	!NR	255	248	265	222	310				0.01	
18 (LAB)	umho/cm	T	222	220	255	258	269	249	322				UMHO/CM	
19 COBALT		R	0.001	!NR	<W	0.003	0.001	0.002	0.002	<W	<W		0.001	
19 (MET)	mg/L	T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	
20 CHROMIUM		R	0.004	!NR	0.002	0.006	0.004	0.003	0.004	0.001	0.001		0.001	0.05
20 (MET)	mg/L	T	0.002	0.001	0.002	0.002	0.002	0.001	0.002	0.002	0.001		mg/L	mg/L
21 COPPER		R	0.006	!NR	0.008	0.016	0.007	0.006	0.007	0.005	0.005		0.001	1
21 (MET)	mg/L	T	0.007	0.003	0.004	0.004	0.007	0.005	0.006	0.004	0.004		mg/L	mg/L
22 F. COLIFORM MF		R	!NR	!NR	63	OP	>300	73	TN		87		0	0/0.1L
22 (BAC) count/100mL		T	NA	NA	NA	NA	NA	NA	NA		NA			mL

WINDSOR WATER TREATMENT PLANT  
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PARAMETERS		DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
		JUL 15	AUG 16	SEP 16	OCT 21	NOV 21	DEC 2	DEC 10	DEC 17	JAN 7			
23 IRON		R 0.005	!NR	0.230	2.300	1.100	0.940	1.400	0.280	0.050		0.002 mg/L	0.3 mg/L
23 (MET) mg/L		T 0.012	0.012	0.027	0.042	<W	0.013	0.014	0.042	0.010			
24 FLUORIDE		R !NR	!NR	0.10	0.12	0.12	0.08	0.11				0.01 mg/L	2.4 mg/L
24 (LAB) mg/L		T 1.01	1.09	1.15	1.12	0.89	1.07	0.86					
25 FIELD CHLORINE (COMBINED)		R NA	NA	NA	NA	NA	NA	NA	NA	NA			
25 (FLD)		T 0.22	0.40	0	0	0	0.3	NS	0.80	NS			
26 FIELD CHLORINE (FREE)		R NA	NA	NA	NA	NA	NA	NA	NA	NS			
26 (FLD)		T 1.00	1.20	1.45	1.2	0	1.2	1.00	0.10	1.0			
27 FIELD CHLORINE (TOTAL)		R NA	NA	NA	NA	NA	NA	NA	NA	NA			
27 (FLD)		T 1.20	1.60	1.45	1.2	1.0	1.5	>1.00	0.90	>1.00			
28 FIELD PH		R 7.70	7.82	7.93	7.85	7.95	7.38	7.80	7.80	NS			
28 (FLD)		T 7.50	7.50	7.30	7.00	7.2	7.30	7.70	7.50	7.50			
29 FIELD TEMPERATURE (°C)		R 22.3	23.0	20.0	15.3	10.0	5.0	4.0	1.0	NS			
29 (FLD)		T 22.0	23.0	20.0	15.5	10.0	4.0	5.0	2.0	1.0			
30 FIELD TURBIDITY		R 9.00	8.00	11.0	54.0	36.0	30.0	49.00	17.00	NS			1 FTU
30 (FLD) (NTU)		T 0.66	0.77	0.67	0.49	0.74	0.61	0.58	1.40	0.57			
31 HARDNESS		R !NR	!NR	111.8	113.0	120.0	97.7	142.0				0.5 mg/L	
31 (LAB) mg/L		T 98.3	97.1	111.6	118.0	119.0	108.0	144.0					
32 STANDARD PLATE COUNT MF		R !NR	NR	>2400	>2400	>2400	282	AW		125		0	500 orga- nisms per mL
32 (BAC) count/mL		T !NR	NR	27	8	0	2	AW		4			
33 MERCURY		R <W	!NR	0.01	0.02	0.02	0.02	0.01	0.01	0.01		0.01 ug/L	1 ug/L
33 (MET) ug/L		T 0.01	0.03	0.01	0.02	0.01	0.01	0.02	<W	<W			

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PARAMETERS			DATE									DETECTION LIMIT	DRINKING WATER OBJECTIVE GUIDELINE	
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21	DEC 2	DEC 10	DEC 17	JAN 7			
34 MAGNESIUM		R	!NR	!NR	8.0	8.0	8.35	7.35	9.50				0.05	
34 (LAB)	mg/L	T	7.2	7.2	8.0	7.8	8.35	7.80	9.60				mg/L	
35 MANGANESE		R	0.032	!NR	0.01	0.051	0.021	0.022	0.018	0.007	0.002		0.001	0.05
35 (MET)	mg/L	T	0.002	0.001	0.003	0.002	0.001	0.002	0.002	0.002	0.002		mg/L	mg/L
36 MOLYBDENUM		R	0.004	!NR	0.001	0.002	0.001	0.001	0.002	<W	<W		0.001	0.25
36 (MET)	mg/L	T	0.002	0.001	0.001	0.002	0.001	0.001	0.001	0.001	<W		mg/L	mg/L
37 SODIUM		R	!NR	!NR	6.2	6.1	6.0	4.0	7.1				0.1	
37 (LAB)	mg/L	T	5.0	4.8	6.0	5.6	6.3	4.8	7.2				mg/L	
38 NICKEL		R	<W	!NR	<W	0.006	0.003	0.003	0.003	<W	<W		0.002	
38 (MET)	mg/L	T	0.002	<W	<W	0.002	<W	<W	0.001	<W	<W		mg/L	
39 AMMONIUM TOTAL		R	!NR	!NR	<W	<W	NR	<W	<W				0.05	
39 (LAB)	mg/L	T	<W	<W	<W	<W	NR	<W	<W				mg/L	
40 NITRITE		R	!NR	!NR	0.01<T	<W	.015<T	.015<T	.030<T				0.005	1 mg/L
40 (LAB)	mg/L	T	<W	0.01<T	<W	<W	<W	.010<T	<W				mg/L	as N
41 NITRATE		R	!NR	!NR	0.5	0.6	0.88	0.35	1.60				0.05	10 mg/L
41 (LAB)	mg/L	T	+	NR	0.4	0.5	0.90	0.65	1.65				mg/L	as N
42 NITROGEN TOTAL KJELDAHL		R	!NR	!NR	0.3<T	0.6<T	NR	0.40<T	0.30<T				0.1	0.15
42 (LAB)	mg/L	T	<W	<W	0.3<T	0.2<T	NR	0.20<T	0.20<T				mg/L	mg/L
43 PRESENCE/ABSENCE		R	NA	NA	NA	NA	NA	NA	NA		NA		0	Absent
43 (BAC)		T	ABSENT	!NR	ABSENT	ABSENT	ABSENT	ABSENT	ABSENT		ABSENT			
44 LEAD	mg/L	R	<W	!NR	0.007	0.01	0.006	0.003	0.004	<W	<W		0.003	0.05
44 (MET)		T	<W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L

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		JUL 15	AUG 16	SEP 16	OCT 21	NOV 21	DEC 2	DEC 10	DEC 17	JAN 7			
45 PH	R	!NR	!NR	7.08	8.22	8.30	8.11	8.17					
45 (LAB)	T	7.49	8.25	7.38	7.02	7.61	7.39	7.32					
46 PHOSPHATES FRAC REACTIVE	R	!NR	!NR	<W	<W	NR	<W	<W				0.01	
46 (LAB) mg/L	T	<W	<W	<W	<W	NR	<W	<W				mg/L	
47 PHOSPHORUS TOTAL	R	!NR	!NR	0.04T	0.08<T	NR	0.040<T	0.060<T				0.01	
47 (LAB) mg/L	T	<W	<W	0.02<T	<W	NR	<W	<W				mg/L	
48 ALDRIN	R	<W	!NR	<W	<W	<W	<W		<W			1	700
48 (PST) ng/L	T	<W	<W	<W	<W	<W	<W		<W			ng/L	ng/L **
49 ALPHA BHC	R	<W	!NR	<W	3<T	2<T	2<T		3<T			1	700
49 (PST) ng/L	T	<W	<W	<W	3<T	5<T	4<T		3<T			ng/L	ng/L c
50 BETA BHC	R	<W	!NR	<W	<W	<W	<W		<W			1	300
50 (PST) ng/L	T	<W	<W	<W	<W	<W	<W		<W			ng/L	ng/L c
51 LINDANE	R	<W	!NR	<W	<W	<W	<W		<W			1	4000
51 (PST) ng/L	T	<W	<W	<W	<W	2<T	2<T		<W			ng/L	ng/L
52 ALPHA CHLORDANE	R	<W	!NR	<W	<W	<W	<W		<W			2	700
52 (PST) ng/L	T	<W	<W	<W	<W	<W	<W		<W			ng/L	ng/L ***
53 GAMMA CHLORDANE	R	<W	!NR	<W	<W	<W	<W		<W			2	700
53 (PST) ng/L	T	<W	<W	<W	<W	<W	<W		<W			ng/L	ng/L ***
54 DIELDRIN	R	<W	!NR	<W	<W	<W	<W		<W			2	700
54 (PST) ng/L	T	<W	<W	<W	<W	<W	<W		<W			ng/L	ng/L **
55 METHOXYCHLOR	R	<W	!NR	<W	<W	<W	<W		<W			5	100000
55 (PST) ng/L	T	<W	<W	<W	<W	<W	<W		<W			ng/L	ng/L

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56 ENDRIN		R	<W	!NR	<W	<W	<W	<W		<W		4	200
56 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W		<W		ng/L	ng/L
57 THIODAN SULPHATE		R	<W	!NR	<W	<W	<W			<W		4	
57 (PST)	ng/L	T	<W	<W	<W	<W	<W			<W		ng/L	
58 THIODAN I		R	<W	!NR	<W	<W	<W			<W		2	74000
58 (PST)	ng/L	T	<W	<W	<W	<W	<W			<W		ng/L	ng/L ea
59 THIODAN II		R	<W	!NR	<W	<W	<W			<W		4	74000
59 (PST)	ng/L	T	<W	<W	<W	<W	<W			<W		ng/L	ng/L ea
60 METHYLPARATHION		R	+	+	+	+	+					50	7000
60 (SPC)	ng/L	T	+	+	+	+	+					ng/L	ng/L
61 PARATHION		R	+	+	+	+	+					50	35000
61 (SPC)		T	+	+	+	+	+					ng/L	ng/L
62 HEPTACHLOR EPOXIDE		R	<W	!NR	<W	<W	<W	<W		<W		1	3000 +++
62 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W		<W		ng/L	ng/L
63 HEPTACHLOR		R	<W	!NR	<W	<W	<W	<W		<W		1	3000
63 (PST)	ng/L	T	<W	<W	<W	<W	2<T	3<T		<W		ng/L	ng/L +++
64 MIREX		R	<W	!NR	<W	<W	<W	<W		<W		5	
64 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W		<W		ng/L	
65 OXYCHLORDANE		R	<W	!NR	<W	<W	<W	<W		<W		2	
65 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W		<W		ng/L	
66 O,P,-DDT		R	<W	!NR	<W	<W	<W	<W		<W		5	30000
66 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W		<W		ng/L	ng/L d



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67 PCB		R	<W	!NR	<W	<W	<W	<W		<W		20	3000
67 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W		<W		ng/L	ng/L t
68 P,P-DDD		R	<W	!NR	<W	<W	<W	<W		<W		5	d
68 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W		<W		ng/L	
69 P,P-DDE		R	<W	!NR	<W	<W	<W	<W		<W		1	d
69 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W		<W		ng/L	
70 P,P-DDT		R	<W	!NR	<W	<W	<W	<W		<W		5	d
70 (PST)	ng/L	T	<W	<W	<W	<W	<W	<W		<W		ng/L	
71 AMETRINE		R	+	+	+	<W	+					50	
71 (SPC)	ng/L	T	+	+	+	<W	+					ng/L	
72 ATRAZINE		R	+	+	+	<W	+					50	
72 (SPC)	ng/L	T	+	+	+	<W	+					ng/L	
73 DIAZINON		R	+	+	+	NS	+					50	14000
73 (SPC)	ng/L	T	+	+	+	NS	+					ng/L	ng/L
74 BLADEX		R	+	+	+	<W	+					100	
74 (SPC)	ng/L	T	+	+	+	<W	+					ng/L	
75 PROMETONE		R	+	+	+	<W	+					50	
75 (SPC)	ng/L	T	+	+	+	<W	+					ng/L	
76 PROPAZINE		R	+	+	+	<W	+					50	
76 (SPC)	ng/L	T	+	+	+	<W	+					ng/L	
77 PROMETRYNE		R	+	+	+	<W	+					50	
77 (SPC)	ng/L	T	+	+	+	<W	+					ng/L	

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			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21	DEC 2	DEC 10	DEC 17	JAN 7		
78 SENCOR		R +	+	+	<W	+						100	
78 (SPC)	ng/L	T +	+	+	<W	+						ng/L	
79 SIMAZINE		R +	+	+	<W	+						50	
79 (SPC)	ng/L	T +	+	+	<W	+						ng/L	
80 DICAMBA		R +	+	+	<W	+						100	
80 (SPC)	ng/L	T +	+	+	<W	+						ng/L	
81 PICLORAM		R +	+	+	<W	+						100	
81 (SPC)	ng/L	T +	+	+	<W	+						ng/L	
82 SILVEX		R +	+	+	<W	+						50	10000
82 (SPC)	ng/L	T +	+	+	<W	+						ng/L	ng/L
83 2,4-D		R +	+	+	<W	+						100	100000
83 (SPC)	ng/L	T +	+	+	<W	+						ng/L	ng/L
84 2,4-D BUTYRIC ACID		R +	+	+	<W	+						200	
84 (SPC)	ng/L	T +	+	+	<W	+						ng/L	
85 2,4-D PROPIONIC ACID		R +	+	+	<W	+						100	
85 (SPC)	ng/L	T +	+	+	<W	+						ng/L	
86 2,4,5-T		R +	+	+	<W	+						50	
86 (SPC)	ng/L	T +	+	+	<W	+						ng/L	
87 TOTAL SOLIDS		R INR	INR	166	234	196	172	220				1	
87 (LAB)	mg/L	T 144	160	166	168	174	162	209				mg/L	
88 SELENIUM		R <W	INR	<W	<W	<W	<W	<W	<W	<W		0.001	0.01
88 (NET)	mg/L	T <W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L

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89 STRONTIUM		R 0.2	!NR	0.13	0.12	0.12	0.110	0.140	0.087	0.097		0.001	
89 (MET) mg/L		T 0.1	0.087	0.13	0.12	0.12	0.110	0.130	0.096	0.100		mg/L	
90 TOTAL COLIFORM MF		R !NR	!NR	700A3C	2100A3C	4300A3C	1100	2000A3C	700			0	ODWO
90 (BAC) count/100mL		T 0	!NR	0	0	0	0	0	0				Bacti
91 TOTAL COLIFORM BACKGROUND MF		R !NR	!NR	120000	40000	29000	1400	33000	1100			0	OWDO
91 (BAC) count/100mL		T 0	!NR	7	0	0	0	2	0				Bacti
92 TURBIDITY		R !NR	NR	12.4	78	37	36	48				0.01	1
92 (LAB) FTU		T 0.69<T	0.71<T	1.35	1.68	0.58<T	0.43<T	0.45<T				FTU	FTU
93 URANIUM		R <W	!NR	<W	<W	<W	<W	<W	<W	<W		0.002	.02
93 (MET) mg/L		T <W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	mg/L t
94 VANADIUM		R 0.001	!NR	<W	0.003	0.001	0.002	0.002	<W	<W		0.001	
94 (MET) mg/L		T <W	<W	<W	<W	<W	<W	<W	<W	<W		mg/L	
95 HEXACHLOROBUTADIENE		R <W	!NR	<W	<W	<W	<W		<W			1	4500
95 (CHA) ng/L		T <W	<W	<W	<W	4<T	<W		<W			ng/L	ng/L e
96 1,1-DICHLOROETHYLENE		R <W	!NR	<W	<W	<W	<W	<W				1	.3
96 (VOL) ug/L		T <W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
97 METHYLENE CHLORIDE		R <W	!NR	<W	<W	<W						5	40
97 (VOL) ug/L		T CS	<W	<W	<W	<W						ug/L	ug/L c
98 T,1,2-DICHLOROETHYLENE		R <W	!NR	<W	<W	<W	<W	<W				1	
98 (VOL) ug/L		T <W	<W	<W	<W	<W	<W	<W				ug/L	
99 1,1-DICHLOROETHANE		R <W	!NR	<W	<W	<W						1	
99 (VOL) ug/L		T <W	<W	<W	<W	<W						ug/L	

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			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21	DEC 2	DEC 10	DEC 17	JAN 7		
100 CHLOROFORM	R	48CS	!NR	<W	<W	<W	<W	<W	<W			1	350
100 (VOL) ug/L	T	39	53	66	43	62	38	47				ug/L	ug/L ++
101 DICHLOROMETHANE	R	<W	!NR	<W	<W	<W	<W	<W	<W			5	40
101 (VOL) ug/L	T	CS	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L c
102 1,1,1-TRICHLOROETHANE	R	<W	!NR	<W	<W	<W	<W	<W	<W			1	
102 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	
103 DICHLOROETHANE	R	<W	!NR	<W	<W	<W	<W	<W	<W			1	
103 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	
104 1,2-DICHLOROETHANE	R	<W	!NR	<W	<W	<W	<W	<W	<W			1	10
104 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L h
105 CARBON TETRACHLORIDE	R	<W	!NR	<W	<W	<W	<W	<W	<W			1	3
105 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L h
106 1,2 DICHLOROPROPANE	R	<W	!NR	<W	<W	<W	<W	<W	<W			1	6
106 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L ep
107 TRICHLOROETHYLENE	R	<W	!NR	<W	<W	<W	<W	<W	<W			1	30
107 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L h
108 DICHLOROBROMOMETHANE	R	22CS	!NR	<W	<W	<W	<W	<W	<W			1	350
108 (VOL) ug/L	T	15	16	17	14	14	12	14				ug/L	ug/L ++
109 1,1,2-TRICHLOROETHANE	R	<W	!NR	<W	<W	<W	<W	<W	<W			1	6
109 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W	<W			ug/L	ug/L e
110 CHLORODIBROMOMETHANE	R	20CS	!NR	<W	<W	<W	<W	<W	<W			1	350
110 (VOL) ug/L	T	14	12	9	6	5	7	6				ug/L	ug/L ++

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111 TETRACHLOROETHYLENE	R	<W	!NR	<W	<W	<W	<W	<W				1	10
111 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L h
112 BROMOFORM	R	<W	!NR	<W	<W	<W	<W	<W				1	350
112 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L ++
113 1,1,2,2-TETRACHLOROETHANE	R	<W	!NR	<W	<W	<W	<W	<W				1	1.7
113 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
114 HEXACHLOROENZENE	R	<W	!NR	<W	2<T	<W	3<T		<W			1	10
114 (PST) ng/L	T	<W	<W	<W	<W	3<T	<W		<W			ng/L	ng/L h
115 HEXACHLOROETHANE	R	<W	!NR	<W	<W	5<T	<W		<W			1	19000
115 (CHA) ng/L	T	<W	<W	<W	<W	9<T	<W		<W			ng/L	ng/L e
116 OCTACHLOROSTYRENE	R	<W	!NR	<W	<W	<W	<W		<W			1	
116 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W		<W			ng/L	
117 PENTACHLOROENZENE	R	<W	!NR	<W	<W	<W	<W		<W			1	74000
117 (CHA) ng/L	T	10	<W	<W	<W	6<T	<W		2<T			ng/L	ng/L e
118 TOTAL TRIHALOMETHANES	R	90CS	!NR	<W	<W	<W	<W	<W				3	350
118 (VOL) ug/L	T	68	81	92	63	81	57	67				ug/L	ug/L ++
119 2,3,6-TRICHLOROTOLUENE	R	<W	!NR	<W	<W	<W	<W		<W			5	
119 (CHA) ng/L	T	<W	<W	<W	12<T	CS	46<T		<W			ng/L	
120 2,4,5-TRICHLOROTOLUENE	R	<W	!NR	<W	<W	<W	<W		<W			5	10000
120 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W		<W			ng/L	ng/L g
121 2,6,A-TRICHLOROTOLUENE	R	<W	!NR	<W	<W	<W	<W		<W			5	
121 (CHA) ng/L	T	<W	4<T	<W	<W	<W	<W		<W			ng/L	

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122 CHLOROBENZENE	R	<W	!NR	<W	<W	<W	<W	<W				1	100-300
122 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ng/L	ng/L h*
123 1,4-DICHLOROBENZENE	R	<W	!NR	<W	<W	<W	<W	<W				1	400
123 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
124 1,3-DICHLOROBENZENE	R	<W	!NR	<W	<W	<W	<W	<W				1	400
124 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
125 1,2-DICHLOROBENZENE	R	<W	!NR	<W	<W	<W	<W	<W				1	400
125 (VOL) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	ug/L e
126 TRIFLUOROCHLOROTOLUENE	R	<W	!NR	<W	<W	<W	<W	<W				1	
126 (CHA) ug/L	T	<W	<W	<W	<W	<W	<W	<W				ug/L	
127 1,2,3-TRICHLOROBENZENE	R	<W	!NR	<W	<W	<W	<W		<W			5	10000
127 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W		<W			ng/L	ng/L y
128 1,2,3,4-TETRACHLOROBENZENE	R	<W	!NR	<W	<W	<W	<W		<W			1	38000
128 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W		<W			ng/L	ng/L e
129 1,2,3,5-TETRACHLOROBENZENE	R	<W	!NR	<W	<W	<W	<W		<W			1	
129 (CHA) ng/L	T	<W	<5	<W	<W	<W	<W		<W			ng/L	
130 1,2,4-TRICHLOROBENZENE	R	<W	!NR	<W	<W	<W	<W		<W			5	15000
130 (CHA) ng/L	T	<W	<W	<W	<W	<W	<W		<W			ng/L	ng/L y
131 1,2,4,5-TETRACHLOROBENZENE	R	<W	!NR	<W	<W	<W	<W		<W			1	38000
131 (CHA) ng/L	T	<W	<W	<W	<W	35	<W		<W			ng/L	ng/L e
132 1,3,5-TRICHLOROBENZENE	R	<W	!NR	<W	<W	<W	<W		<W			5	10000
132 (CHA) ng/L	T	<W	<W	<W	<W	<W	16<T		<W			ng/L	ng/L y

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			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21	DEC 2	DEC 10	DEC 17	JAN 7		
133 PENTACHLOROPHENOL	R	+	+	+	<W	+						50	10000 ng/L
33 (CHP) ng/L	T	+	+	+	<W	+						ng/L	
134 2,3,4-TRICHLOROPHENOL	R	+	+	+	<W	+						100	100 ng/L
134 (CHP) ng/L	T	+	+	+	<W	+						ng/L	
135 2,3,4,5-TETRACHLOROPHENOL	R	+	+	+	<W	+						50	50 ng/L
135 (CHP) ng/L	T	+	+	+	<W	+						ng/L	
136 2,3,5,6-TETRACHLOROPHENOL	R	+	+	+	<W	+						50	50 ng/L
136 (CHP) ng/L	T	+	+	+	<W	+						ng/L	
137 2,4,5-TRICHLOROPHENOL	R	+	+	+	<W	+						50	50 ng/L
137 (CHP) ng/L	T	+	+	+	<W	+						ng/L	
138 2,4,6-TRICHLOROPHENOL	R	+	+	+	<W	+						50	10000 ng/L
138 (CHP) ng/L	T	+	+	+	<W	+						ng/L	
139 ZINC	R	0.003	!NR	0.004	0.017	0.012	0.010	0.011	0.006	0.002		0.001	5 mg/L
139 (MET) mg/L	T	0.002	<W	0.004	0.003	0.003	0.002	0.002	0.003	0.002		mg/L	
140 PENTACHLOROPROPANE	R	NS	NS	NS	NS	NS	NS	<W				0.1	0.1 ug/L
140 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	<W				ug/L	
141 PENTACHLOROPROPENE	R	NS	NS	NS	NS	NS	NS	<W				0.1	0.1 ug/L
141 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	<W				ug/L	
142 HEXACHLOROPROPENE	R	NS	NS	NS	NS	NS	NS	<W				0.1	0.1 ug/L
142 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	<W				ug/L	
143 TETRACHLOROBUTANE	R	NS	NS	NS	NS	NS	NS	<W				0.1	0.1 ug/L
143 (MS) ug/L	T	NS	NS	NS	NS	NS	NS	<W				ug/L	

WINDSOR WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS			DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
			JUL 15	AUG 16	SEP 16	OCT 21	NOV 21	DEC 2	DEC 10	DEC 17	JAN 7			
144 PENTACHLOROBUTADIENE	R	NS		NS	NS	NS	NS	NS	<W				0.1	
144 (MS) ug/L	T	NS		NS	NS	NS	NS	NS	<W				ug/L	
145 N-DICHLOROMETHYLENE-	R	NS		NS	NS	NS	NS	NS	<W				0.1	
145 PENTACHLOROANILINE													ug/L	
145 (MS) ug/L	T	NS		NS	NS	NS	NS	NS	<W					
146 FLUORANTHENE	R	NS		NS	NS	NS	NS	NS	<W				0.1	
146 (MS) ug/L	T	NS		NS	NS	NS	NS	NS	<W				ug/L	
147 NAPHTHALENE	R	NS		NS	NS	NS	NS	NS	<W				0.1	
147 (MS) ug/L	T	NS		NS	NS	NS	NS	NS	<W				ug/L	
148 METHYL PHENANTHRENE	R	NS		NS	NS	NS	NS	NS	<W				0.1	
148 (MS) ug/L	T	NS		NS	NS	NS	NS	NS	<W				ug/L	
149 PYRENE	R	NS		NS	NS	NS	NS	NS	<W				0.1	
149 (MS) ug/L	T	NS		NS	NS	NS	NS	NS	<W				ug/L	
150 DIPHENYL ETHER	R	NS		NS	NS	NS	NS	NS	0.8				0.1	
150 (MS) ug/L	T	NS		NS	NS	NS	NS	NS	<W				ug/L	
151 DI-N-BUTYL PHTHALATE	R	NS		NS	NS	NS	NS	NS	<W				0.1	
151 (MS) ug/L	T	NS		NS	NS	NS	NS	NS	<W				ug/L	
152 CL BIPHENYL	R	NS		NS	NS	NS	NS	NS	<W				0.1	
152 (MS) ug/L	T	NS		NS	NS	NS	NS	NS	<W				ug/L	
153 ATRAZINE	R	NS		NS	NS	NS	NS	NS	X<T				0.1	
153 (MS) ug/L	T	NS		NS	NS	NS	NS	NS	X<T				ug/L	



WINDSOR WATER TREATMENT PLANT  
1985-1986 DWSP DATA

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PARAMETERS	DATE										DETECTION LIMIT	DRINKING WATER OBJ/ GUIDELINE <sup>1</sup>
	JUL 15	AUG 16	SEP 16	OCT 21	NOV 21	DEC 2	DEC 10	DEC 17	JAN 7			
154 CARBON TETRACHLORIDE	R NS	NS	NS	NS	NS	NS	<W				0.1	
154 (MS) ug/L	T NS	NS	NS	NS	NS	NS	<W				ug/L	
155 DIBROMOCHLOROMETHANE	R NS	NS	NS	NS	NS	NS	<W				0.1	
155 (MS) ug/L	T NS	NS	NS	NS	NS	NS	X<T				ug/L	
156 TETRACHLOROETHYLENE	R NS	NS	NS	NS	NS	NS	<W				0.1	
156 (MS) ug/L	T NS	NS	NS	NS	NS	NS	X<T				ug/L	
157 BIPHENYL	R NS	NS	NS	NS	NS	NS	0.2				0.1	
157 (MS) ug/L	T NS	NS	NS	NS	NS	NS	<W				ug/L	
158 BROMOFORM	R NS	NS	NS	NS	NS	NS	<W				0.1	
158 (MS) ug/L	T NS	NS	NS	NS	NS	NS	<W				ug/L	

LAB - Chemistry (LAB)  
FLD - Chemistry (FIELD)  
BAC - Bacteriological  
MS - Mass Spec. Ana.

MET - Metal  
VOL - Volatiles  
PST - PCB/OC Scan. Pesticides

CHA - Chloroaromatics  
CHP - Chlorophenols  
SPC - Specific Pesticides

TABLE B

## SUMMARY OF ST. CLAIR STUDY RESULTS

January 21, 1986

LOCATION	PARAMETERS										
	24 METAL	7 PHYSICAL	8 ANION	6 FIELD TESTS	5 BACTERIAL	10 DIOXIN	39 PESTICIDE	19 MS**	5 THM*	45 ORGANIC	158 TOTAL
AMHERSTBURG	Raw	105(19)	56(7)	24(6)	27(3)	32(4)	2(1)	0(0)	0(0)	0(0)	246(40)
	Treated	89(17)	40(6)	21(4)	48(6)	11(3)	0(0)	0(0)	0(0)	32(4)	243(42)
	Total # Positives	194	96	45	75	43	2	0	0	32	489
	Total # Tests	342	110	130	75	71	44	370	38	80	1873
MITCHELL'S BAY	Raw	129(18)	56(7)	24(5)	18(3)	29(4)	0(0)	0(0)	0(0)	0(0)	256(35)
	Treated	118(16)	41(6)	19(3)	43(6)	5(2)	0(0)	0(0)	0(0)	32(4)	259(36)
	Total # Positives	247	97	43	61	34	0	0	0	32	515
	Total # Tests	424	114	128	61	71	0	370	38	80	1904
SARNIA	Raw	35(15)	14(7)	4(2)	9(3)	8(4)	0(0)	0(0)	0(0)	0(0)	70(31)
	Treated	36(15)	10(5)	4(2)	11(6)	1(1)	0(0)	0(0)	0(0)	12(4)	76(34)
	Total # Positives	71	24	8	20	9	0	0	0	12	146
	Total # Tests	155	26	24	20	22	44	84	38	30	669
STONEY POINT	Raw	130(19)	49(7)	18(5)	19(3)	30(4)	0(0)	0(0)	0(0)	0(0)	246(38)
	Treated	97(16)	37(7)	16(3)	38(6)	10(3)	0(0)	0(0)	0(0)	28(4)	227(40)
	Total # Positives	227	86	34	57	40	0	0	0	28	473
	Total # Tests	420	100	112	61	72	0	416	0	70	1817
WALLACEBURG	Raw	149(20)	63(7)	26(6)	34(3)	40(4)	0(0)	0(0)	0(0)	0(0)	321(43)
	Treated	131(17)	50(7)	21(3)	59(6)	6(3)	0(0)	0(0)	0(0)	35(5)	308(44)
	Total # Positives	280	113	47	93	46	0	0	0	35	629
	Total # Tests	564	136	130	95	95	44	330	38	105	2333
WINDSOR	Raw	119(19)	35(7)	16(4)	24(3)	22(4)	5(2)	0(0)	2(2)	4(4)	227(45)
	Treated	117(15)	38(7)	19(3)	48(6)	6(2)	0(0)	0(0)	0(0)	28(4)	258(39)
	Total # Positives	236	73	35	72	28	5	0	2	32	485
	Total # Tests	392	110	86	76	48	77	324	38	65	1711
WALPOLE ISLAND	Raw	82(17)	28(7)	10(3)	15(3)	19(4)	0(0)	0(0)	0(0)	0(0)	160(38)
	Treated	79(16)	20(5)	10(3)	23(6)	4(3)	0(0)	0(0)	0(0)	21(5)	163(41)
	Total # Positives	161	48	20	38	23	0	0	0	21	323
	Total # Tests	323	56	58	38	38	66	262	38	55	1363

Example: 24 Metal Parameters

102(19) - 102 positives representing 19 of 24 parameters

\*THM = Trihalomethanes

\*\*MS = Mass Spec. Analysis

TABLE C

## DIOXIN DRINKING WATER SURVEY - RESULTS

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Updated: January 21, 1986

[illegible]

## DIOXIN DRINKING WATER SURVEY - RESULTS

Page 2

LOCATION	SAMPLE	DATE	CHLORINATED DIBENZO-P-DIOXINS (ppq)						CHLORINATED DIBENZOFURANS (ppq)				
			2,3,7,8-T <sub>4</sub> CDD	T <sub>4</sub> CDD	P <sub>5</sub> CDD	H <sub>6</sub> CDD	H <sub>7</sub> CDD	O <sub>8</sub> CDD	T <sub>4</sub> CDF	P <sub>5</sub> CDF	H <sub>6</sub> CDF	H <sub>7</sub> CDF	O <sub>8</sub> CDF
WINDSOR	Raw	07/15/85	ND	40	ND	ND	ND	16	ND	ND	ND	ND	ND
	Treated	07/15/85	-	-	-	-	-	-	-	-	-	-	-
	Raw	09/25/85	ND	ND	ND	ND	ND	22	ND	ND	ND	ND	ND
	Treated	09/25/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Raw	10/03/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Treated	10/03/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Raw	11/20/85	ND	*	ND	ND	ND	63	ND	ND	ND	ND	ND
	Treated	11/20/85	ND	*	ND	ND	ND	ND	ND	ND	ND	ND	ND
AMHERSTBURG	Raw	07/02/85	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND
	Treated	07/02/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Raw	11/19/85	ND	*	ND	ND	ND	115	ND	ND	ND	ND	ND
	Treated	11/09/85	ND	*	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected at an average detection limit of 10 ppq

\* = Sample contamination, value cannot be determined

ppq = parts per quadrillion, picograms per litre (pg/L)

- = No Data

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January 21, 1986

[illegible]

TABLE C.1: DATA SUMMARY: MOE DIOXIN SURVEY IN ST. CLAIR AREA WATER TREATMENT PLANTS

LOCATION	SAMPLE	DATE	CHLORINATED DIBENZO-P-DIOXINS (ppq)						CHLORINATED DIBENZOFURANS (ppq)				
			2,3,7,8 -T <sub>4</sub> CDD	(TETRA) T <sub>4</sub> CDD	(PENTA) P <sub>5</sub> CDD	(HEXA) H <sub>6</sub> CDD	(HEPTA) H <sub>7</sub> CDD	(OCTA) O <sub>8</sub> CDD	(TETRA) T <sub>4</sub> CDF	(PENTA) P <sub>5</sub> CDF	(HEXA) H <sub>6</sub> CDF	(HEPTA) H <sub>7</sub> CDF	(OCTA) O <sub>8</sub> CDF
WINDSOR (Continued)	Raw	10/03/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Treated	10/03/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Raw	11/20/85	ND	*	ND	ND	ND	63	ND	ND	ND	ND	ND
	Treated	11/20/85	ND	*	ND	ND	ND	ND	ND	ND	ND	ND	ND
AMHERSTBURG	Raw	07/02/85	ND	ND	ND	ND	ND	20	ND	ND	ND	ND	ND
	Treated	07/02/85	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND
	Raw	11/19/85	ND	*	ND	ND	ND	115	ND	ND	ND	ND	ND
	Treated	11/19/85	ND	*	ND	ND	ND	ND	ND	ND	ND	ND	ND

ND = Not Detected at an average detection limit of 10 ppq

\* = Sample contamination, value cannot be determined

- = No Data

ppq = parts per quadrillion, picograms per litre (pg/L)

TABLE C.2: DATA SUMMARY: CO-OPERATIVE M&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

Page 1  
Updated: January 27, 1986

AGENCY	LOCATION	SAMPLE	DATE	CHLORINATED DIBENZO-P-DIOXINS (ppq)						CHLORINATED DIBENZOFURANS (ppq)				
				2,3,7,8 -T <sub>4</sub> CDD	(TETRA) T <sub>4</sub> CDD	(PENTA) P <sub>5</sub> CDD	(HEXA) H <sub>6</sub> CDD	(HEPTA) H <sub>7</sub> CDD	(OCTA) O <sub>8</sub> CDD	(TETRA) T <sub>4</sub> CDF	(PENTA) P <sub>5</sub> CDF	(HEXA) H <sub>6</sub> CDF	(HEPTA) H <sub>7</sub> CDF	(OCTA) O <sub>8</sub> CDF
H&W	LAMBTON AREA (SARNIA)	Raw	12/09/85	ND(9)	ND(9)	ND(6)	ND(3)	ND(15)	ND(12)	ND(3)	ND(6)	ND(6)	ND(5)	ND(7)
		Treated	12/09/85	ND(3)	ND(3)	ND(3)	ND(9)	ND(7)	T<22	ND(3)	ND(3)	ND(6)	ND(3)	ND(4)
H&W		Raw	1/06/86											
		Treated	1/06/86											
H&W		Raw	1/13/86											
		Treated	1/13/86											
MOE	WALLACEBURG	Raw	11/26/85	ND(15)	ND(15)	ND(10)	ND(10)	ND(10)	ND(9)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
		Treated	11/26/85	ND(15)	ND(15)	ND(10)	ND(10)	ND(10)	ND(9)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MOE		Raw	12/02/85	ND(5)	BC(5)	ND(10)	T<13	ND(10)	180	T<10	T<10	ND(10)	ND(10)	T<10
		Treated	12/02/85	ND(5)	ND(10)	ND(10)	ND(10)	ND(10)	T<11	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
H&W		Raw	12/09/85	ND(6)	ND(6)	ND(6)	ND(3)	ND(18)	T<27	ND(3)	ND(6)	ND(6)	ND(5)	ND(7)
		Treated	12/09/85	ND(3)	ND(3)	ND(3)	ND(9)	ND(9)	ND(6)	ND(3)	ND(3)	ND(6)	ND(3)	ND(4)
H&W		Raw	12/16/85	ND(12)	ND(12)	ND(3)	ND(6)	ND(11)	NR	ND(2)	ND(3)	ND(3)	ND(11)	ND(11)
		Treated	12/16/85	ND(1)	ND(1)	ND(2)	ND(5)	ND(7)	T<16	ND(1)	ND(2)	ND(3)	ND(8)	ND(10)
MOE		Raw	12/16/85	ND(10)	ND(10)	INT	INT	ND(6)	ND(5)	ND(9)	INT	ND(7)	ND(10)	ND(5)
		Treated	12/16/85	ND(12)	ND(12)	ND(10)	ND(21)	ND(15)	ND(12)	ND(9)	ND(16)	ND(6)	ND(4)	ND(6)
		Raw	12/22/85											
		Treated	12/22/85											

NOT SAMPLED



TABLE C.2: DATA SUMMARY: CO-OPERATIVE MH&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

AGENCY	LOCATION	SAMPLE	DATE	CHLORINATED DIBENZO-P-DIOXINS (ppq)						CHLORINATED DIBENZOFURANS (ppq)				
				2,3,7,8 -T <sub>4</sub> CDD	(TETRA) T <sub>4</sub> CDD	(PENTA) P <sub>5</sub> CDD	(HEXA) H <sub>6</sub> CDD	(HEPTA) H <sub>7</sub> CDD	(OCTA) O <sub>8</sub> CDD	(TETRA) T <sub>4</sub> CDF	(PENTA) P <sub>5</sub> CDF	(HEXA) H <sub>6</sub> CDF	(HEPTA) H <sub>7</sub> CDF	(OCTA) O <sub>8</sub> CDF
H&W	WALLACEBURG (continued)	Raw	1/06/86											
		Treated	1/06/86											
H&W		Raw	1/12/86											
		Treated	1/12/86											
MOE	WALPOLE ISLAND	Raw	11/25/85	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
		Treated	11/25/85	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
MOE		Raw	12/05/85	ND(6)	T<10	T<14	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
		Treated	12/05/85	ND(6)	ND(10)	ND(18)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
H&W		Raw	12/09/85	ND(9)	ND(9)	ND(6)	ND(10)	ND(13)	T<10	ND(6)	ND(6)	ND(6)	ND(10)	ND(10)
		Treated	12/09/85	ND(3)	ND(3)	ND(4)	ND(9)	ND(11)	ND(15)	ND(3)	ND(3)	ND(6)	ND(5)	ND(10)
H&W		Raw	12/17/85	ND(15)	ND(15)	ND(3)	ND(6)	ND(20)	ND(20)	ND(3)	ND(3)	ND(3)	ND(20)	ND(20)
		Treated	12/17/85	ND(2)	ND(2)	ND(2)	ND(4)	ND(20)	ND(20)	ND(2)	ND(2)	ND(2)	ND(20)	ND(20)
		Raw	12/22/85											
		Treated	12/22/85											
H&W		Raw	1/06/86											
		Treated	1/06/86											
MOE		Raw	1/06/86											
		Treated	1/06/86											
H&W		Raw	1/13/86											
		Treated	1/13/86											

N O T S A M P L E D



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[illegible]

TABLE C.2: DATA SUMMARY: CO-OPERATIVE MH&W, MOE AND CARLETON UNIVERSITY ANALYSIS OF CHLORINATED DIBENZODIOXINS AND DIBENZOFURANS IN ST. CLAIR AREA WATER TREATMENT PLANTS

AGENCY	LOCATION	SAMPLE	DATE	CHLORINATED DIBENZO-P-DIOXINS (ppq)						CHLORINATED DIBENZOFURANS (ppq)				
				2,3,7,8 -T <sub>4</sub> CDD	(TETRA) T <sub>4</sub> CDD	(PENTA) P <sub>5</sub> CDD	(HEXA) H <sub>6</sub> CDD	(HEPTA) H <sub>7</sub> CDD	(OCTA) O <sub>8</sub> CDD	(TETRA) T <sub>4</sub> CDF	(PENTA) P <sub>5</sub> CDF	(HEXA) H <sub>6</sub> CDF	(HEPTA) H <sub>7</sub> CDF	(OCTA) O <sub>8</sub> CDF
MOE	MITCHELL'S BAY	Raw	11/25/85	ND(15)	ND(15)	ND(10)	ND(10)	ND(10)	140	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
		Treated	11/25/85	ND(15)	ND(15)	ND(10)	ND(10)	ND(10)	T<15	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
H&W		Raw	12/09/85	ND(3)	ND(3)	ND(9)	ND(4)	ND(12)	T<170	ND(3)	ND(6)	ND(9)	ND(4)	ND(4)
		Treated	12/09/85	ND(3)	ND(3)	ND(3)	ND(9)	ND(11)	T<11	ND(3)	ND(3)	ND(6)	ND(4)	ND(4)
H&W		Raw	1/06/86											
		Treated	1/06/86											
MOE	STONEY POINT	Raw	12/03/85	ND(10)	ND(10)	ND(25)	ND(10)	ND(19)	96	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)
		Treated	12/03/85	ND(10)	ND(10)	ND(15)	ND(10)	ND(10)	ND(10)	ND(10)	ND(10)	ND(14)	ND(10)	ND(10)
H&W		Raw	12/17/85	ND(9)	ND(9)	ND(4)	ND(8)	ND(23)	T<50	ND(3)	ND(4)	ND(4)	ND(23)	ND(23)
		Treated	12/17/85	ND(2)	ND(2)	ND(2)	ND(4)	ND(8)	ND(12)	ND(2)	ND(2)	ND(2)	ND(4)	ND(11)
H&W		Raw	1/15/86											
		Treated	1/15/86											

T<X Trace amount detected. Quantitative value could not be determined because response was within three times background or within three times sample detection limit. Expected value is less than (<) or equal to "X".

ND Not detected. Detection limit is given in brackets (ppq).

Data are corrected for recovery if recoveries are within 35% - 130%. Data for recoveries 10% - 34% are corrected for recovery.

Values reported as <X. Data are not corrected if recoveries are greater than 130%.

NP Data not reported if spike recoveries <10%.

NR Replicate determinations are not comparable.

INT Sample interference - could not analyze.

BC Blank contamination; data cannot be reported.